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Yale *Physics*



Upcoming Events

Monday, November 18

1:30pm: Atomic, Molecular and Optical Physics Seminar. Toshihiko Shimasaki, University of California, Santa Barbara, "[Exploration of New Phenomena in Driven Quantum Gases](#)" in SPL 51. Host: David DeMille.

3:30pm: Physics Club. William D. Phillips, NIST & University of Maryland, "[A New Measure: the reform of the International System of Units](#)" in Sloane Physics Lab 59. Host: Steven Girvin. Tea after the talk.

4:00pm: Yale Institute for Biospheric Studies Event. [Novel Approaches to Combating Therapeutic Resistance](#) in Yale Peabody Museum. For questions contact [Michael Hochberg](#).

Tuesday, November 19

1:00pm: WIDG Seminar. Emma Castiglia, Yale University, "[Search for the Associated Production of a Higgs boson with a vector boson \(W or Z\), with the Higgs boson decaying to two tau leptons \(\$VH, H \rightarrow \tau\tau\$ \) at the ATLAS Experiment](#)" in WL-C 245.

4:00pm: Mossman Seminar. Seth Koren, University of California, Santa Barbara, "[UV/IR Mixing and the Hierarchy Problem](#)" in SPL 52. Host: David Poland.

4:00pm: Department of Chemistry Silliman Lecture in Physical Chemistry. Andrea Markelz, University at Buffalo, SUNY, "[The Importance of the Energy Landscape to](#)

[Protein Collective Vibrations](#)" in SCL 111.

6:30pm: Flipped Science Fair. Science as Storytelling: Learn how to use storytelling to engage your audience in WTS-A30. [RSVP](#). For questions contact [Heather Ortega](#).

Wednesday, November 20

12:00pm: PEB Distinguished Speaker. Prof. G.W. Gant Luxton, University of Minnesota, "Building bridges across the nuclear envelope" in YSB 352. Lunch served at 11:45am.

4:00pm: Mossman Seminar. Denis Karateev, EPFL, "[Unitarity constraints in massive QFTs](#)" in SPL . Host: Weimin Zhong. Tea at 3:45pm.

4:00pm: Department of Molecular, Cellular and Developmental Biology Seminar. Douglas Fudge, Chapman University, "[How to build a ball of yarn in a cell; the curious case of hagfish gland thread cells](#)" in YSB Marsh Lecture Hall. Host: Jing Yan. Tea at 3:45pm.

4:15pm: Department of Mathematics Colloquium. Manish Patnaik, University of Alberta, "Title TBA" in LOM 215.

Thursday, November 21

10:00am: Mossman Seminar. Andreas Helset, NBI [via Skype], [Heavy Particle Effective Theories](#) in SPL 52. Host: David Poland.

11:00am: Physics & Astronomy Webinar. Learn more about our PhD programs and application from faculty and students. [Register today](#).

1:00pm: Condensed Matter Theory Seminar. Chairanya Murthy, University of California, Santa Barbara, "[Almost Perfect Metals in One Dimension](#)" in SPL 52.

1:00pm: Nuclear Particle Astrophysics Seminar. Brian Beckford, University of Michigan, "Title TBA" in WTS A-51.

2:30pm: Yale Astronomy & Astrophysics Colloquium. Stephen Kane, University of California, Riverside, "[Venus as a Laboratory for Exoplanetary Science](#)" in WTS A-51.

Friday, November 22

4:00pm: Geology & Geophysics Colloquium. Andy Thompson, California Institute of Technology, "Closing the loop: Re-configuring the ocean's global overturning circulation in a changing climate" in KGL 123.

[More events](#)

News

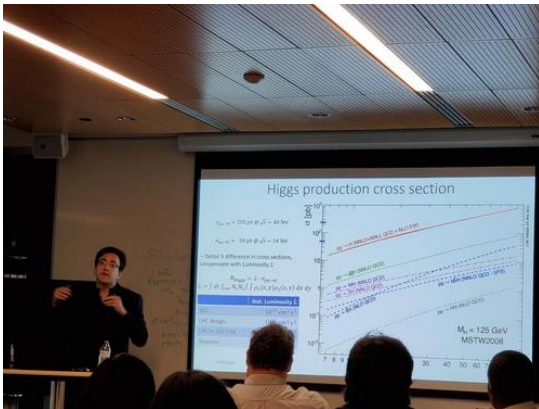
Adriane Steinacker (Lecturer in Physics) has been selected as a recipient of the 2019 Poorvu Family Fund for Academic Innovation.

From Marvin Chun - Dean of Yale College, "This honor reflects your



outstanding commitment to excellence in teaching. You were chosen on your accomplishments and strong nominations from the community". Congratulations!

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Christian Weber defends graduate thesis "New Search for $H \rightarrow ZZd \rightarrow 4l$ using pp collision data at $\sqrt{s}=13$ TeV with the ATLAS detector"

On October 31, 2019, graduate student Christian Weber successfully defended his thesis, "New Search for $H \rightarrow ZZd \rightarrow 4l$ using pp collision data at $\sqrt{s}=13$ TeV with the ATLAS detector" (advisor O. Keith Baker).

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Community



Climate and Diversity Committee

According to research conducted by the APS, underrepresented ethnic and racial minorities in physics—which includes African Americans, Hispanic Americans, American Indian/Alaska Natives, and Native Hawaiians—are awarded less than 14 percent of physics bachelor's degrees despite making up nearly a quarter of all bachelor's degrees awarded. The APS's has created a National Mentoring Community (NMC) to facilitate and support mentoring relationships between African American, Hispanic American, and Native American undergraduate physics students and local physics mentors.

Membership in the NMC is free for both Mentors and Mentees. Please consider joining this community.

As a mentor you will be responsible to identifying one or more mentees and committing to meeting with your mentees on a regular basis. You will benefit from National level support and recognition of the importance of mentoring as a critical component in promoting student academic advancement; not to mention potentially forming a lifelong professional relationship with your mentee.

As a mentee you will gain a structured mentoring experience, a 1-year fee APS membership, alerts about resources and opportunities such as research experiences and access to a network of physicists who can help accelerate your education and career.

Both mentors and mentees are invited to an annual National Mentoring Community conference to network for professional development, and exposure to important opportunities. More information can be found here: (<https://www.aps.org/programs/minorities/nmc/>) and by contacting Imisi Agbaniyaka, Diversity Programs Coordinator, at nmc@aps.org.

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



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For further information, or to contribute to the newsletter, please send email to [Daphne Klemme](#).

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