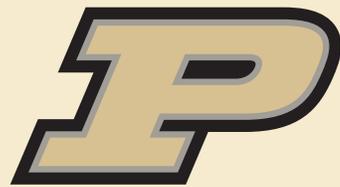


CONGRATS!

WAY TO GO!



PURDUE
UNIVERSITY®

Department of Physics
and Astronomy

2019-2020 Graduate Awards

CHEERS!

BOILER UP!



Zhujing Xu

Karl Lark-Horovitz Award

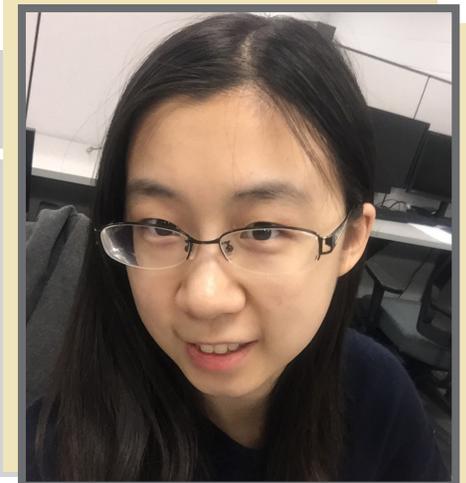
Our Department's most prestigious graduate student honor, the Lark-Horovitz Award recognizes outstanding research accomplishments. The award is possible through the generosity of the faculty as well as the family, friends, and associates of Prof. Lark-Horovitz in memory of his great contribution to the growth and development of the Department of Physics and Astronomy.

*Nominated by
PhD advisor
Tongcang Li*

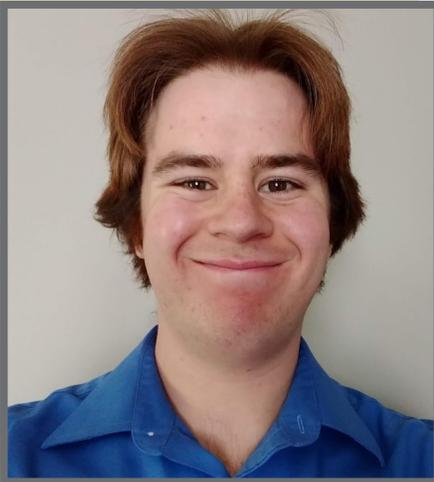
George W. Tautfest Award

This award honors outstanding physics graduate students in high energy particle physics, high energy nuclear physics, or astrophysics. Prof. Tautfest was the leader of the Purdue High Energy Physics group until his death in 1967 at age 41. The award was established in 1969 by his colleagues and the Purdue Alumni Foundation.

*Nominated by
PhD advisor
Wei Xie*



Rui Xiao



Francis F. Walz

Gabriele F. Giuliani Award

Established in 2013 in memory of Prof. Gabriele F. Giuliani, this award honors excellence in teaching by first- or second-year graduate students. These graduate students show dedication and dependability, and, like Professor Giuliani, demonstrate a passion for physics that contributes to a rich learning environment.

*Nominated by
Andrew Lewicki*

*PhD advisor
Niranjan Shivaram*

H. Y. Fan Award

The Fan Award recognizes outstanding graduate research in condensed matter physics, biological physics, or AMO physics. The award was established in recognition of Prof. Fan's many contributions to condensed matter physics, particularly in the area of infrared studies of semiconductors, and to the Department of Physics and Astronomy.

*Nominated by
PhD advisor
Chen-Lung Hung*



Tzu-Han Chang

*Nominated by
Andrew Lewicki
and
Rafael Lang*

Akeley-Mandler Award for Teaching Excellence

The Akeley-Mandler Award recognizes exceptional graduate student teaching assistants who excel beyond the mere requirements of the job, investing their effort to ensure that they provide the best education possible to their students. This award is made possible thanks to a gift made by Instructor Emeritus Anna Akeley in memory of her husband, Prof. Edward S. Akeley, and brother, Kurt Mandler.



Amanda O. Harrison

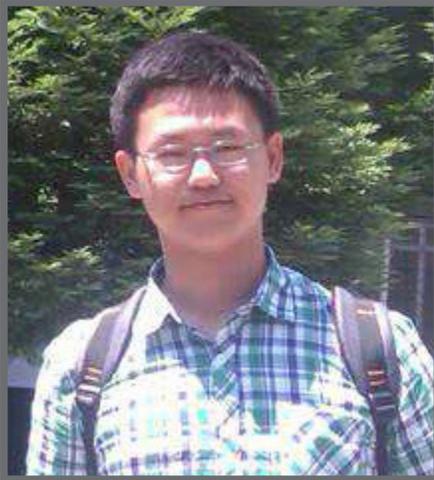
Edward S. Akeley Award

This award recognizes outstanding physics graduate students in theoretical physicists. The Akeley Award is made possible through the generosity of Instructor Emeritus Anna M. Akeley.

*Nominated by
PhD advisor
Christopher Greene*



Michael D. Higgins



Yang Cao

Charlotte Ida Litman Tubis Award

The Charlotte Ida Litman Tubis Award was established in her memory by her husband, Prof. Emeritus Arnold Tubis, to promote clear and concise communication of scientific ideas beyond the physics and astronomy community.

Project:
Photoluminescence of
non-polar Nitride
Semiconductors

PhD advisor
Oana Malis

Dr. Warner Black Award

The Black Award recognizes graduate students whose research has the potential to bring physics to the people and to help them improve their lives by using a deep knowledge of fundamental and applied physics to make practical and useful inventions that have a real and lasting impact.

Nominated by
PhD advisor
Yulia Pushkar



Alireza K. Ravari

Rolf Scharenberg Graduate Fellowship

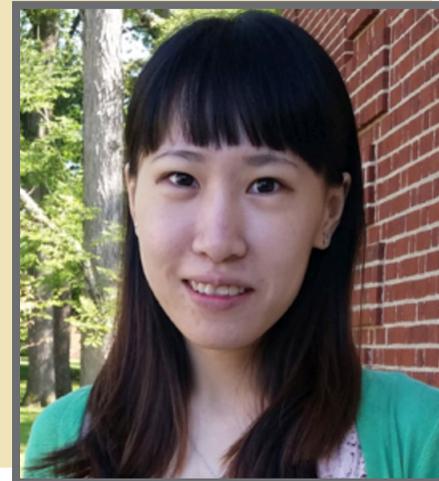
The Rolf Scharenberg Graduate Fellowship was established in 2017 through the generosity of Wendell and Nancy Lutz. The fellowships allow first- or second-year graduate students to work with a research advisor for a summer prior to joining a research group permanently.

Project:
Studying phonons and magnons in frustrated magnetic systems

*Nominated by
PhD advisor
Arnab Banerjee*



Kiran Dixit



Jijun Chen

Project:
Muon luminosity measurement for charged lepton flavor violation

*Nominated by
PhD advisor
David Koltick*

Project:
Exploring atom-light coupling on a microring photonic resonator

*Nominated by
PhD advisor
Chen-Lung Hung*



Xinchao Zhou



Andrew J. Wildridge

Project:
Multi-dimensional vertex finding at CMS with a D-Wave quantum annealer

*Nominated by
PhD advisor
Andreas Jung*

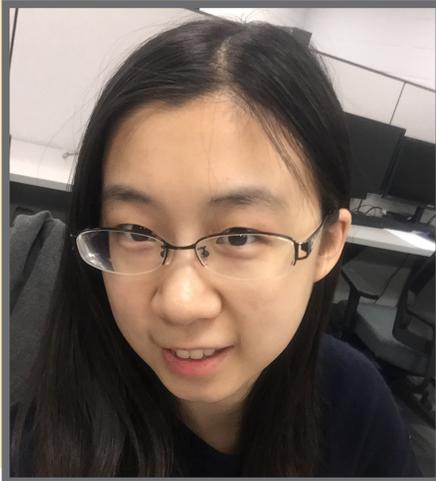
Bilsland Dissertation Fellowship

The Bilsland Dissertation Fellowship provides support to outstanding Ph.D. candidates in their final year of writing.

Project:

Study lambda_C baryon production in proton-proton and lead-lead collisions at 5.02 TeV in CMS experiment at the LHC

*Nominated by
PhD advisor Wei Xie*



Rui Xiao

Project:

Timing precision of stochastic processes in gene networks, development, and other biological phenomena

*Nominated by
PhD advisor Andrew Mugler*



Shivam Gupta

Project:

Study of ruthenium-based water oxidation catalysts

*Nominated by
PhD advisor
Yulia Pushkar*



Alireza Ravari Karbkhsh

Project:

Beyond CMOS Devices: Logic, Memory and Interconnects

*Nominated by
PhD advisor
Joerg Appenzeller*



Tingting Shen

*Nominated by
PhD advisor
Oana Malis*

Lijuan Wang Memorial Awards

The Lijuan Wang Memorial award is given annually to one or more outstanding graduate student majors who promote the gender diversity of the department through participation in Women in Physics. Lijuan Wang was a graduate student in the department from 1989 until her untimely death in 1992.



Trang T. Nguyen

*“Louis Pasteur once said,
‘Science knows no country,
because knowledge belongs
to humanity, and is the torch
which illuminates the world.’
Congratulations and
let your torch burn bright.”*

– John Finley

*Department Head of the Purdue
Department of Physics and Astronomy*



PURDUE
UNIVERSITY®

Department of Physics
and Astronomy