

SOCIAL EVENTS

Physics Graduate Student Slack – If you haven't already joined our Slack channel, give it a try! It's best for faster communication and cross-cohort messaging. If you don't see a channel you want or need, add it and invite others to join the convo. See you over there :)

Teaching Assistant Panel – Tips, tricks, and Q&A with experienced physics grad TAs. Grads usually TA at least 4 semesters, and your role may change each semester. All are welcome to attend & contribute. Refreshments will be served. Tentative date: Monday Sep 12 at 12PM.

NSF Workshop – On Friday, Sep. 9 at 4PM in Physics 047 join Marston, Katherine, and Greg as they give an overview of the NSF GFRP application.

GENERAL UPDATES & NEWS

Welcome to the new cohort of current first-year grads – give them an extra warm hello when you get the chance:

Kene Anumba, Mika Chmielewski, Jose Colon Rivera, Plato Deliyannis, Yu Fu, Peter Jacobson, Natalie Jones, Gyeonghun Kim, Jane O'Reilly, Bekah Polen, Joshua Queen, Ana Rodrigues Ferreira Ferrari, Joseph Ryan, Ross Snyder, Emma Stavropoulos, Michael Straus, Jiazheng Sun, Jonas Tost, Duanyang Wang, Tianyi Wang, Zoe Webb-Mack, Tyler Wilson, Denton Wu, Keqin Yan, Ana Zaalishvil

Third Year Students: Preliminary exams need to be completed by no later than the end of Spring 2023 semester. Keep in mind classes must be in session when you schedule your preliminary exam. [Committee approval forms](#) must be completed and turned into Katherine Siler no later than five weeks prior to the exam date.

Graduating in December? Please note the following Graduate School deadlines:

Saturday, October 15: Apply to graduate

Monday, November 14: Initial submission of electronic doctoral dissertation

Monday, November 28: Last day to defend dissertation

Monday, December 12: Final submission of electronic dissertation

Pet Wall – To have your furry (or feathered, or scaly) friend included in the Physics Distinguished Pets Wall, email a photo, name of pet, name(s) of owner(s), and 3 of their favorite things to Greg (gregory.matousek@duke.edu) by Sep 16.

SEMINARS

COLLOQUIA – Joint UNC-Duke talks at 4:30PM in Physics 128

Sep. 21 – Travis Nicholson

(Realization of an Ultracold Gas of Group III Atoms)

GRADUATE STUDENT SEMINAR (GSS) TALKS

Contact Erik (erik.r.peterson@duke.edu or via Slack) if you're interested in giving a talk to your fellow friendly grad students as a practice talk or any thing that strikes your interest. All graduate students are invited every time, usually from 12-1 pm on Fridays, but with flexibility, if the presenter's schedule does not allow.

MEET THE DGS: MARK KRUSE

Dr. Kruse was born and grew up in Auckland, New Zealand. After a Masters degree at the University of Auckland, he embarked on a PhD in the US (at Purdue University) in 1991, working mostly on the CDF experiment at Fermilab. After finishing in 1996, he had a postdoc position based at Fermilab, and continued to live in Chicago until starting a faculty position at Duke in 2001. Dr. Kruse now enjoys Durham and the surrounding area, but it did take him a bit of getting used, and he's never really understood why his accent is often difficult to comprehend-- to this day whenever he says his name to a stranger it is almost always interpreted as "Mike", which at least never fails to amuse his 11-year-old twins when they're picking up food!



Fun Facts: If Dr. Kruse were a plant he would be a Pohutukawa tree and his dream job as a child was to be a cowboy.

2022 PHYSICS DEPARTMENT PICNIC

On Saturday, August 27, the Physics Department hosted its annual picnic. Good times and food were had by all!! Mark Kruse, DGS, was the master of ceremonies and he and Kate Scholberg, ACT, announced the award winners.



TEACHING AWARD RECIPIENTS 2021-2022

Mary Creason Memorial Fellowship: *Gregory Matousek*

Awarded annually for excellence in lab instruction. \$1,000 prize given to the recipient.

AAPT Outstanding Teacher Assistants of the Year: *William Delooze & James Wheeler*

Recipients receive AAPT gift membership which includes electronic access to premier journals: *The American Journal of Physics*, *The Physics Teacher* and *Physics Today*

Professor of the Year: *Dr. Stephen Teitsworth (Statistical Mechanics)*

FALL 2022 FELLOWSHIP RECIPIENTS

Goshaw Family Endowment Fellowship: *Adyranna Major, Erik Peterson, and James Wheeler*

Charles Townes/Perkins-Elmer Fellowship: *Alexey Bondarev*

Henry W. Newson Fellowship: *Peibo An, Baran Bodur, and Xincheng Lin*

The Fritz London Graduate Fellowship: *Lalit Yadav*

Walter Gordy Memorial Fellowship: *Yikang Zhang*

CONGRATULATIONS TO ALL OUR OUTSTANDING GRADS THIS YEAR

Introducing the

Grad Students Spotlight



Gregory Matousek

3rd year

GSO President

Research Area:

Nuclear Physics

Fun Facts: If he was a kitchen appliance Greg would be a Freezer. He is currently watching House of the Dragon.

Greg was born and raised on Long Island, and became interested in physics due to an AP Chemistry scheduling conflict and went on to graduate from Stony Brook. He has 2 sisters, one married in Kentucky who started her own LLC for selling her garden goods at the farmer's market, and the other in their senior year of college for business. His older brother, Thomas, is a phenomenal artist. Currently, he is preparing for his prelim exam, where he will showcase his analysis results from the Run Group A dataset taken in 2018/2019 at Jefferson Lab and will be hosting a GSS talk later in the year. Despite living on LI for 21 years, he is happy to call the Triangle home. Whether its seeing dogs at the breweries, meeting friends Downtown, or just strolling around the physics building talking to people he sees, he is very happy that he chose Duke.

Isabella graduated from UCLA and her current research focuses on trapped ion quantum computing, specifically a networking experiment in which we envision connecting smaller quantum computers through photonic links in order to create a quantum network. In her free time, she likes to hang out with her dog, Shiloh (look for his picture on the Distinguished Pet's Wall!), and discover all the cool pet-friendly places in Durham! She also loves dancing, watching TV, and kickboxing.

Isabella Goetting

3rd Year

GSO Vice President

Research Area: Quantum Info / Exp. AMO

Fun Facts: Her dream job as a child was to be a famous writer or president. If she wasn't able to do Physics, Isabella would want to work at a doggy daycare.



Johnny Chiles

3rd Year

GSO Secretary-Treasurer

Research Area:

Condensed Matter Experiment

Fun Facts: If he were a plant, Johnny would be a Hydrangea. He is currently watching the Bachelorette and his dream job as a child was a baseball player.

Johnny graduated from Georgia Tech and currently does research in low-temperature, low-dimensional electron transport specializing in multi-terminal Josephson junctions, thermal transport, and the interplay of superconductivity and the quantum Hall effect in van der Waals heterostructures. Outside of research, he likes going on hikes with his wife and dog, watching/playing sports, and exploring Durham's great breweries.