



Welcome and hello!

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NIU

Following the FNAL Statement of Community Standards

Excerpt:

3. Respect one another

Members of the Fermilab community shall be able to work in a safe and welcoming environment where everyone is treated with dignity and respect. Peer-to-peer or supervisory relationships that interfere with an individual's research or work performance, limit access to educational experiences and career opportunities, or adversely impact an individual's well-being are unacceptable.

Mutual respect is developed by:

- Valuing others and their points of view including those who don't easily find their voice.
- Being open to correction.
- Recognizing the skills and expertise of others in the Fermilab community.
- Sharing the credit.
- Being courteous.
- Welcoming new perspectives and ideas.
- Continuing to grow and develop and helping others to grow and develop.

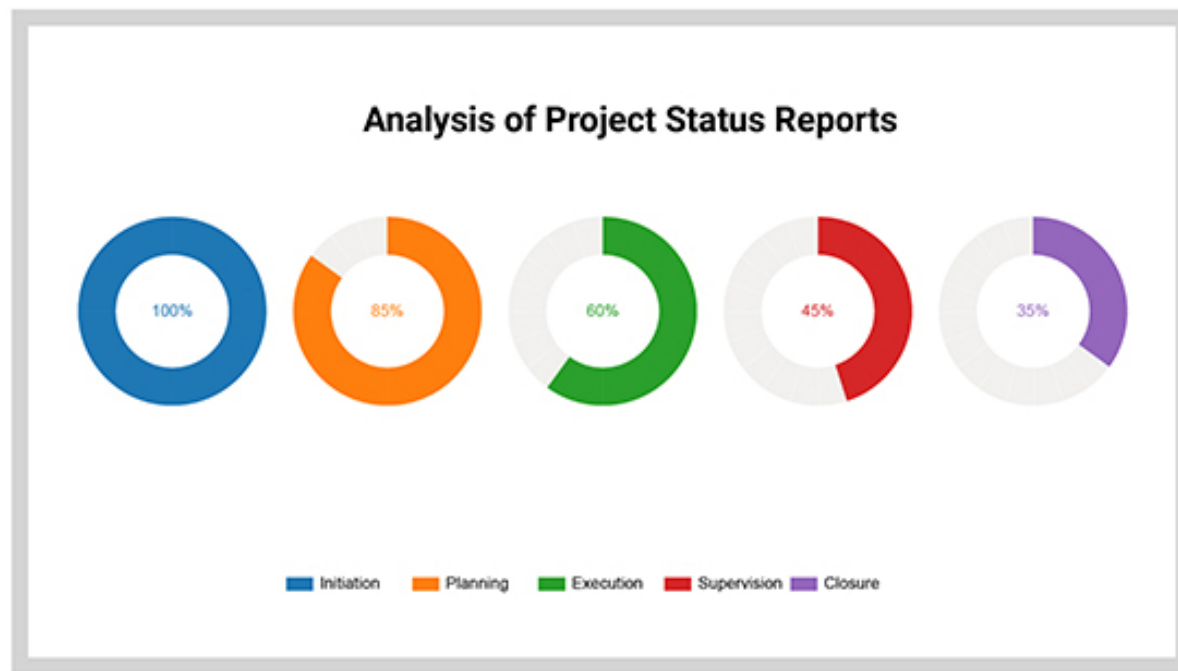
Why are we here, virtually?

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- We traditionally have held a two-day in-person meeting every fall, but could not find one day that worked for many of us, let alone two days
 - It's still nice to see each other in person! Aim to hold our annual winter get-together as finals are finishing up. In previous years at Two Brothers in Aurora, location this year TBD
 - We would like to hold an in-person event at the end of the spring semester, as a way to figure out future plans. Will try to schedule that early in the new calendar year

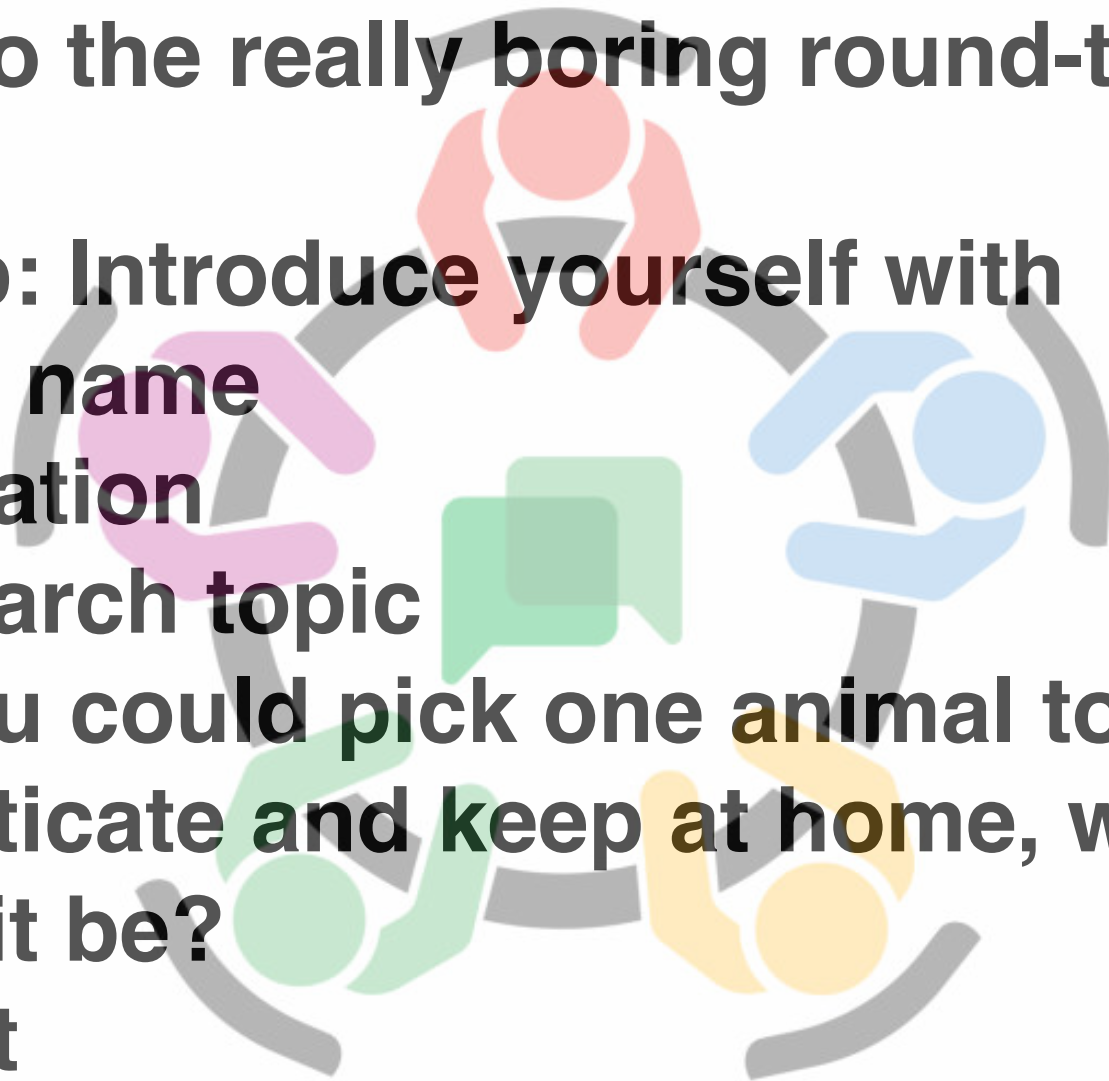


Goal today is to still hear status reports from all of the current trainees, and to hear brief introductions from all the new trainees



Project Status Reports Template: Elevate Reporting Game

- **Let's do the really boring round-table hello**
- **To help: Introduce yourself with**
 - 1) **your name**
 - 2) **affiliation**
 - 3) **research topic**
 - 4) **if you could pick one animal to domesticate and keep at home, what would it be?**
- **I'll start**



Jahred Adelman (aka me!)

- I'm a professor at Northern Illinois University working on the ATLAS experiment at the LHC.
- I'm particularly interested in how to use heterogeneous computing architectures to do charged particle tracking for the ATLAS trigger system (which rapidly decides which bunches of proton-proton interactions are interesting and worth keeping), and also how to make it easier to use FPGAs in particle physics
- Why am I on ATLAS? I'm excited to observe and then study Higgs boson pair production, which tells us about the shape of the vacuum potential energy of the Universe!



What animal would I domesticate?

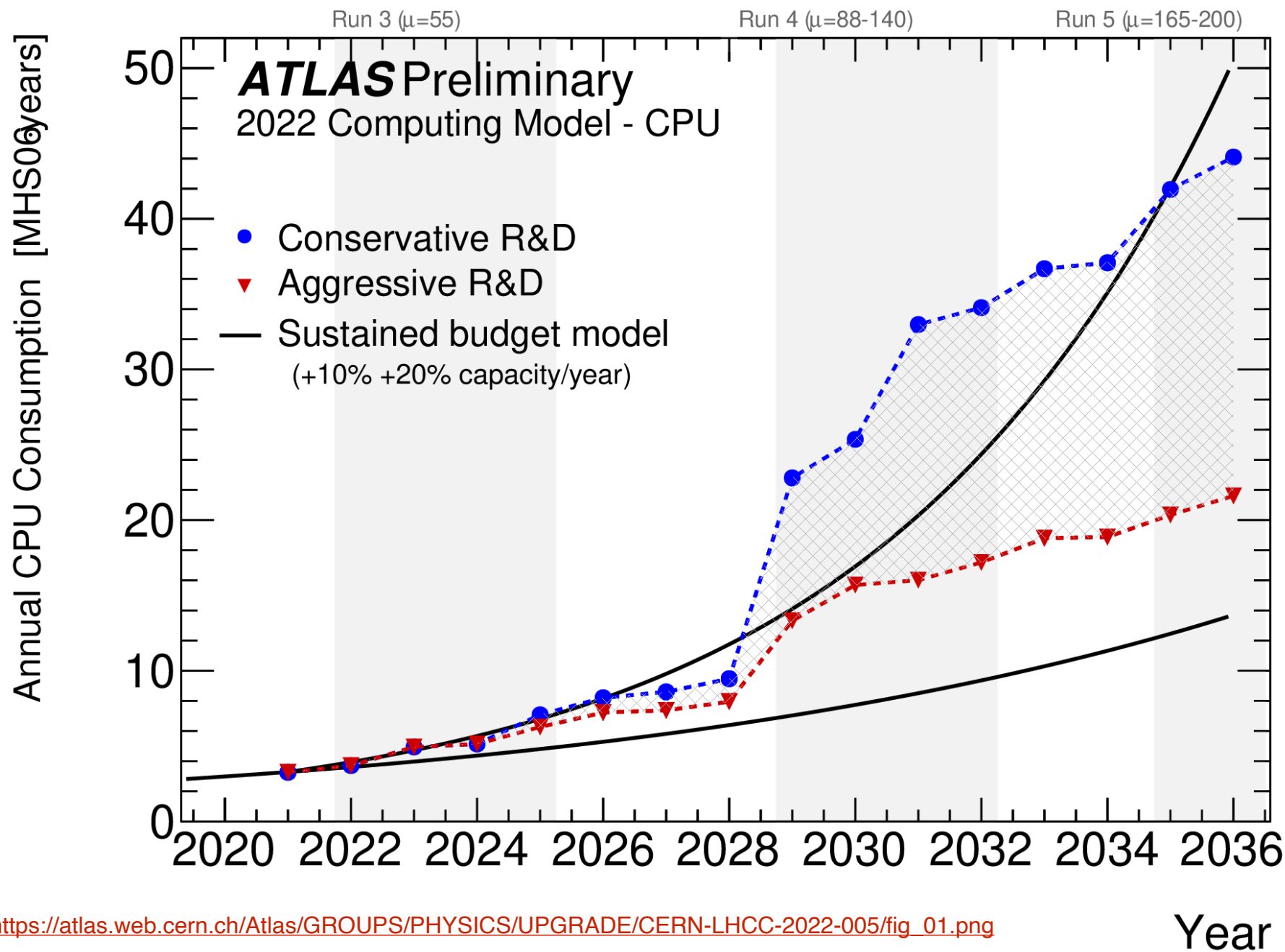
Wobbegong sharks (“shaggy beard” in Australian Aboriginal), aka carpet sharks.

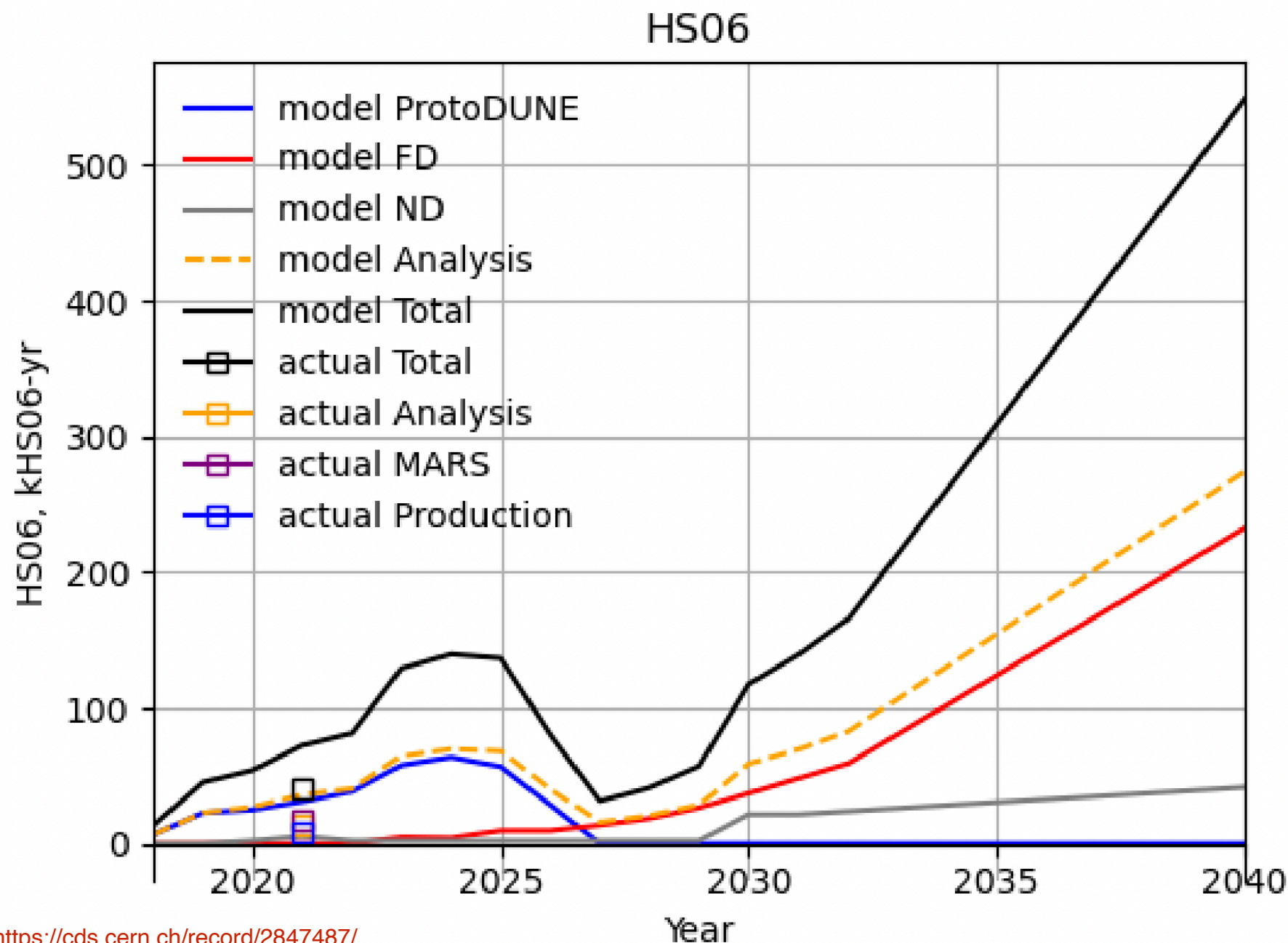
Google videos of them eating. Do it. Seriously.



Reminder - why does this program matter?

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EXPERTS

WE'VE GOT A TALENT FOR EXPLAINING TOMORROW
WHY THE PREDICTIONS WE MADE YESTERDAY DIDN'T COME TRUE TODAY.

- Useful to learn about interesting research topics outside of our group and to expose cohorts to new ideas
 - When we started the program, we explicitly had only talks from non-cohorts
- Important way for trainees in the program to practice presenting their research
 - What the seminars have become in the past few years

- Setting aside a monthly time slot is a useful thing
 - Obviously August is out, if the first X of every month we could hold seminars Oct, Nov, Dec and then Feb, March, April, May, which is nominally 7 seminars
- Please fill out this poll ASAP **for the fall semester (maybe also the spring?)**. It will be impossible to find a time that works for everyone, but we'll aim to pick the best option
 - <https://www.when2meet.com/?37593830-nhJlc>

- We currently have **14 fellows (more than nominally this year!)**. We should aim to have each fellow give an update on their work once during the year.
- Two fellows (one NIU + one UIC) in each meeting, **20 minute presentations + 10 minutes for questions**
- New fellows would go in the spring or summer to have time to ramp up
- Above implies **all 7 seminars are taken by student presentations**, if we want other topics we can add more
- Student presentations should be **prepared closely with faculty/research mentors**. They aren't graded in any way but are really useful to **teach trainees how to present research!**

- Aim to **pick our meeting slot** no later than **the end of next week**
 - **Randomly assign presentation dates** shortly thereafter
 - Everyone here that's not a student should think about who we can **invite for non-student seminars** in the future. Please help with this!

**The stuff you
work on is
pretty cool
and fun!**

