



Welcome and hello!

Jahred Adelman
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.

- On-site emergency phone **3131** from any lab (hardwired) phone or **630 840 3131** from any cell phone
 - Use this number and **not 911** for **fire and/or paramedic** response while on site (faster response)
- Alarms:
 - **Fire**: take **any stairs** to ground floor and **exit the building**
 - **Tornado/severe weather**: take **south stairs** to underground (shelter) level
 - In either case, do not re-enter until all-clear is given

There's a LOT of COVID going around. If you are not feeling well, please mask up, stay home and take a COVID test



Other practical information

- Lunch both days at the FNAL cafeteria
 - No obligation to sit together, but hopefully a good time to mingle
 - Note: You will need appropriate access to get back up here
- Breakfast/Coffee breaks just outside this room
- **Dinner** Thursday night at Two Brothers Warrenville **POSTPONED** - stay tuned

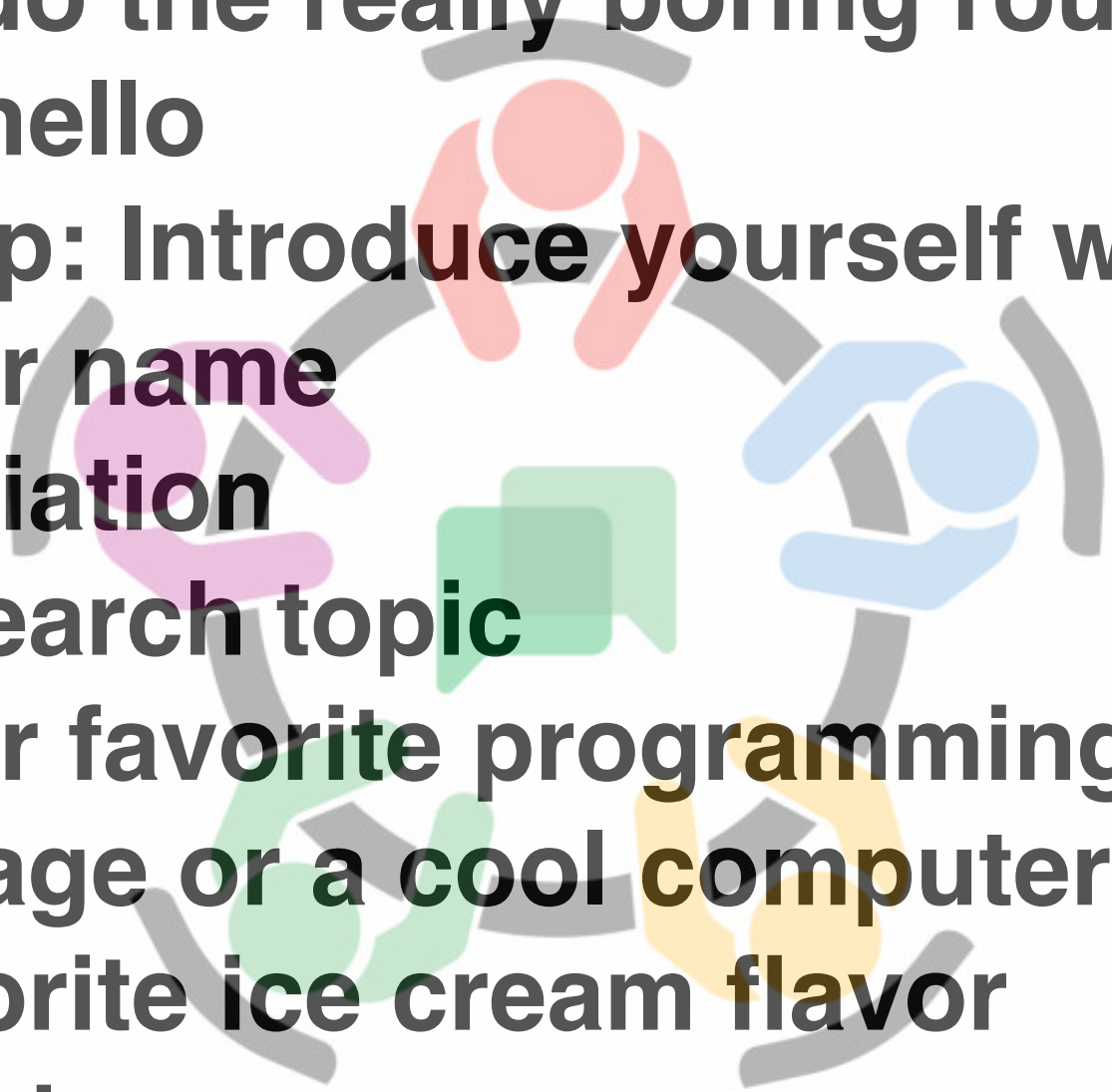


We'll take group photos both days just after we break for lunch, downstairs in the Wilson Hall atrium

Two days of photos because not everyone is here both days, please do your best to show up. It will be quick!

We'll also do Zoom screenshots :)



- **Let's do the really boring round-table hello**
 - **To help: Introduce yourself with**
 - 1) your name**
 - 2) affiliation**
 - 3) research topic**
 - 4) your favorite programming language or a cool computer fact**
 - 5) favorite ice cream flavor**
 - **I'll start**
- 

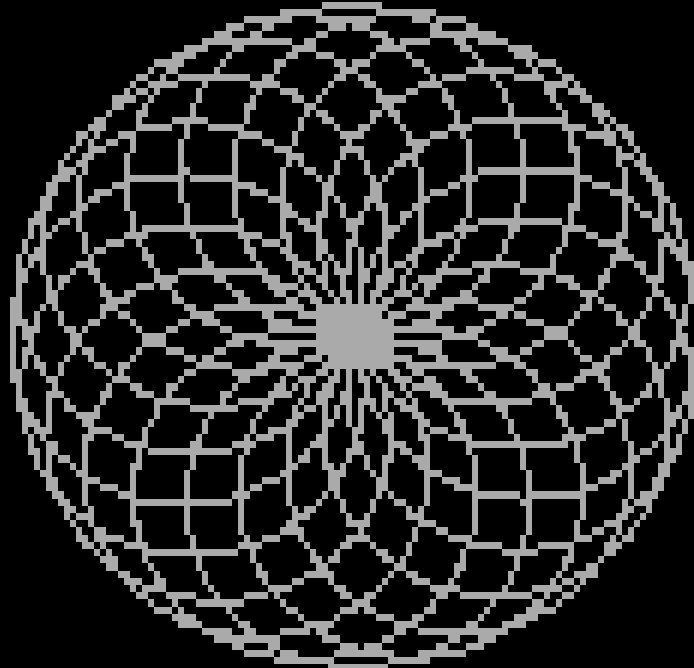
Jahred Adelman (aka me!)

- 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).
- 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!
- My first programming language? Logo! (See next slide)
- My favorite ice cream flavor? Cinnamon

According to my daughter (21 months old) this is a picture of me

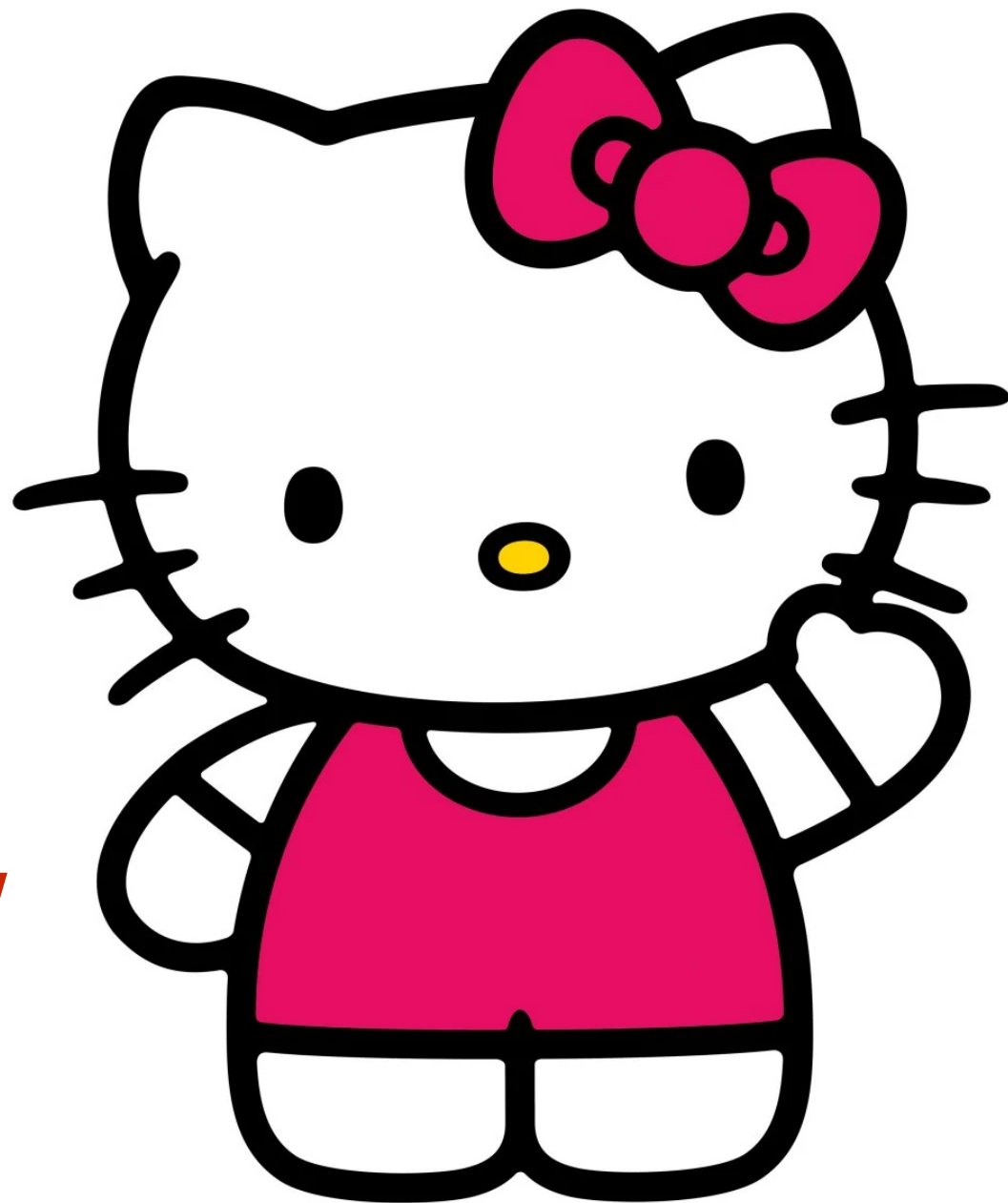


LOGO (via Wikipedia)



```
?REPEAT 20 [REPEAT 180 [FD 1 RT 2] RT 1→  
8]  
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**It's great
to say
hello in
person
every now
and then!**



Why are we here?

11

To learn about all the
great work happening
in our program

A silhouette of a person pushing a large, glowing sphere up a hill against a sunset background. The scene is set against a warm, orange and yellow sky with a large, bright sun or moon. The person is on the left, pushing the sphere towards the right. The sphere is the largest and brightest object in the scene, casting a glow on the surrounding landscape.

Please pay close
attention to the talks
from trainees and ask
lots of good questions!

**To plan this
year's seminar
series and to
organize our
advanced
seminar
course**

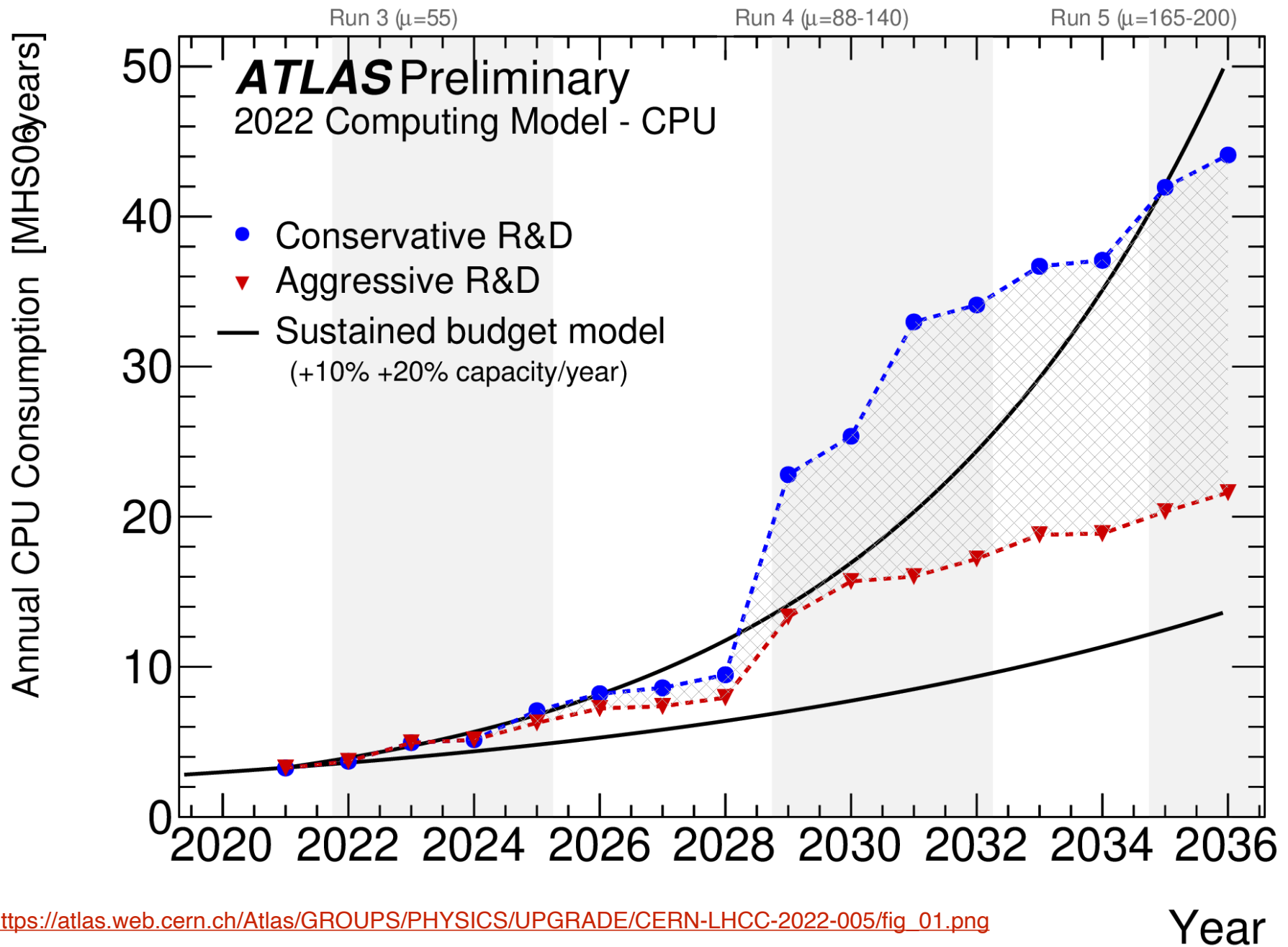


**To discuss future
research topics
(if you haven't
started
brainstorming
about this,
please start
doing so now!)**

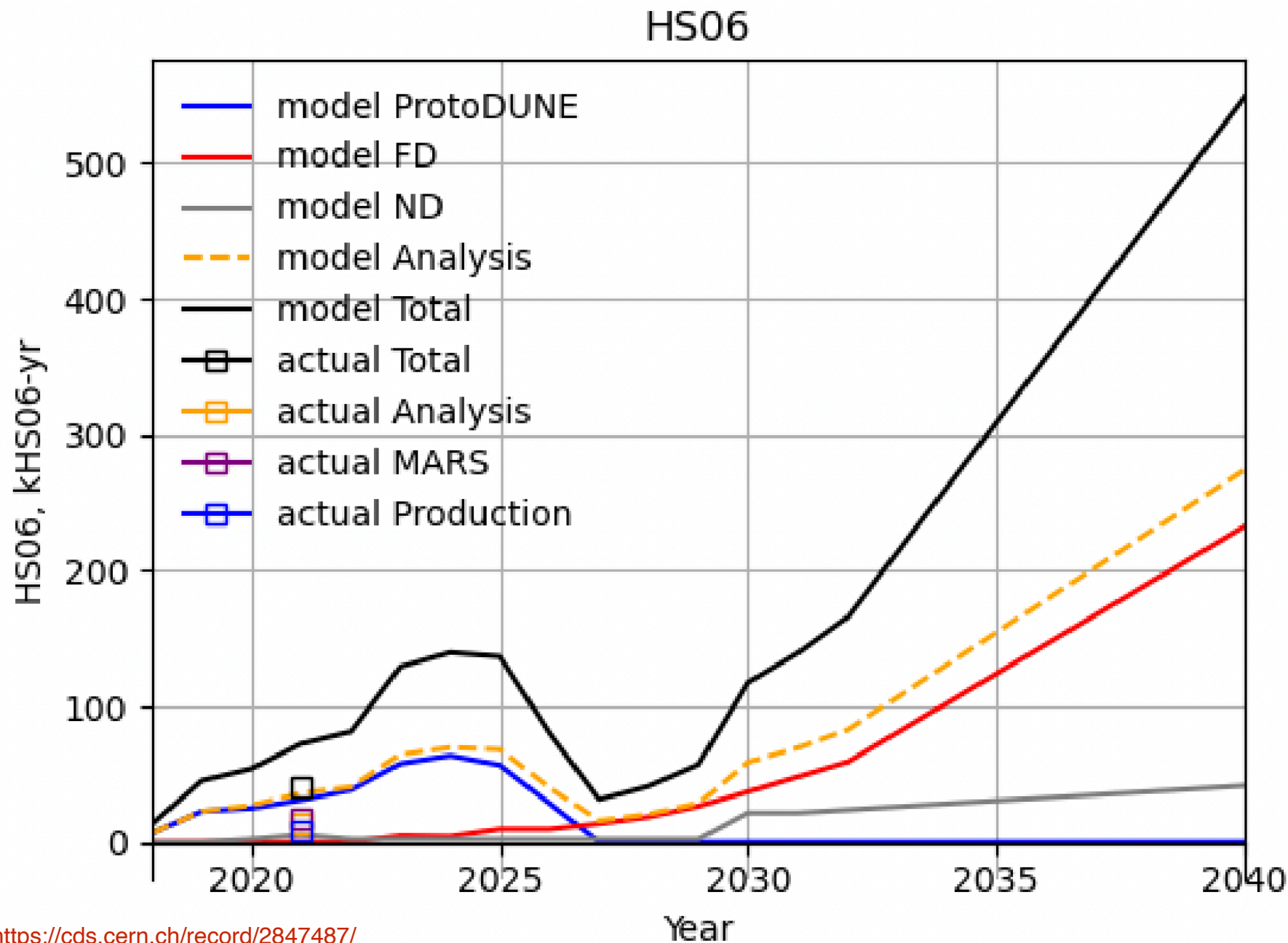


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AN4M/edit](https://docs.google.com/document/d/1bP866i4yBblx5cNR9UXvomTSkR_dIBIVIMRYAZEAN4M/edit)

Reminder - why does this program matter?



Reminder - why does this program matter?





EXPERTS

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

Last year's P5 report (from the executive summary):

“Investing in the scientific workforce and enhancing **computational and technological infrastructure is crucial**. To achieve this goal, funding agencies should support programs that foster a supportive, collaborative work environment; help recruit and retain diverse talent; and reinforce professional standards. Targeted increases in support for **theory, general accelerator R&D (GARD), instrumentation, and computing** will bolster areas where US leadership has begun to erode.

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

