Today's plan

- Interactive - please participate!
  - Raise hand or just speak up
  - **NERSC User Slack** (link in chat), #webinars channel

- Agenda:
  - Win-of-the-month
  - Today-I-learned
  - Announcements/CFPs
  - Topic of the day: Remote development in NERSC Shifter containers with Visual Studio Code - with Oliver Schulz from Max Planck Institute for Physics
  - Coming meetings: topic suggestions/requests?
  - Last month's numbers
Win of the month

Show off an achievement, or shout out someone else's achievement, e.g.:

- Had a paper accepted
- Solved a bug
- A scientific achievement (maybe candidate for Science highlight, or **High Impact Scientific Achievement award**)
- An **Innovative Use of High Performance Computing** (also a candidate for an award) ([https://www.nersc.gov/science/nersc-hpc-achievement-awards/](https://www.nersc.gov/science/nersc-hpc-achievement-awards/))

Please let us know of award-worthy work from you or your colleagues - tell us what you did, and what was the key insight?
Today I learned

What surprised you that might benefit other users to hear about? (and might help NERSC identify documentation improvements!)

Eg:

• Something you got stuck on, hit a dead end, or turned out to be wrong about
  • Give others the benefit of your experience!
  • Opportunity to improve NERSC documentation
• A tip for using NERSC
• Something you learned that might benefit other NERSC users

"If we knew what it was we were doing, it would not be called research, would it?" - Einstein
See weekly email for these and more:

- Cori OS Upgrade and New Default Environment installed yesterday
  - Statically-linked codes will need relink,
  - Rebuilding is recommended
  - Let us know if something isn't working! https://help.nersc.gov
- NERSC Summer internships
  - Are you, or do you have, a student looking for a summer internship? NERSC has several projects, check https://www.nersc.gov/research-and-development/internships/ for more information
Announcements and CFPs

● Globus Endpoint Now Available for Perlmutter Scratch
  ○ See https://docs.nersc.gov/services/globus/#availability for connection details

● Training on "Coding for GPUs Using Standard C++", April 7

● IDEAS-ECP Webinar on "Evaluating Performance Portability of HPC Applications & Bencharks across Diverse HPC Architectures" April 13

● Next SpinUp Workshop Starts April 20

● Others?
Remote development in NERSC
Shifter containers with Visual Studio Code

Oliver Schulz,
Max Planck Institute for Physics
Coming up

Upcoming topics:

NERSC Annual User Survey - a first look at some outcomes
HPSS Interfaces
Data Citation and DOIs

We'd love to hear more lightning talks from NERSC users about the research you use NERSC for!

Nominate a topic at https://forms.gle/WjYx7zV7SAz2CaYz7
Last month's numbers - Feb

Cori: 0 outages (Maintenance was cancelled in Feb, in preparation for major maintenance yesterday)

Perlmutter: 1 outage (scheduled maintenance)
Last month's numbers - Feb

Discussion Question: What metrics are interesting to people here?

- **Cori KNL - Scheduled Availability (By Year)**
  - 99.28% ± 0.69 (0.7%)
  - Score date: 2021
  - Compared with 2020: 98.66%

- **Perlmutter GPU - Scheduled Availability (By Year)**
  - 100.00%
  - Score date: 2021
  - Compared with 2020: 100.00%
Thank You