

# Focus discussion 2021-7-7

## Introductions

- Olaf
  - hololens for a couple of experiments
    - some presentations for highschoolers
  - zero setup before pandemic and still bootstrapping remote ops
- Omar
  - Audio setup for control rooms
- Suresh
- Gilberto
  - before pandemic, looking into remote collaboration tools for remote help/assistance
- Hari
  - remote services, workflows and everything else
- Alex and Omar
  - Realwear, zoom, double, shurl mics for control rooms

## LCLS (SLAC)

### [Remote Participation in Experiments](#)

- video for slack was ok, not great, same for screen sharing

## ALS

- has used some automation with Zoom to set up beamtime zooms
  - used in demonstration so far, not production yet
- cell
  - logitech pan-tilt
- beamline zoom room link
  - not used much so far

## APS

- investment in cameras for remote observation
- no-machine servers for user beamline operation
- Argonne pushing towards MS teams
  - video service is OK
  - schedule a weeklong meeting with the user
- shifting towards staff being remote to help on-site users
- three separate machines designated for different aspects of beamline operations accessed via nomachine
  - daq and analysis
    - axis cameras are hooked into this one
      - good optical zoom is very nice but also expensive
    - privacy cap available to cover the axis cam if desired (good idea)
- used: bluejeans, zoom, teams
- hmt-1
  - voice commands
  - probably using bluejeans at this time
- hololens
  - users like the fpv perspective
  - only with teams
  - remote access and guides