



# 2x2 Installation Status

Jen Raaf

ND-LAr Consortium Management Meeting

March 13, 2024

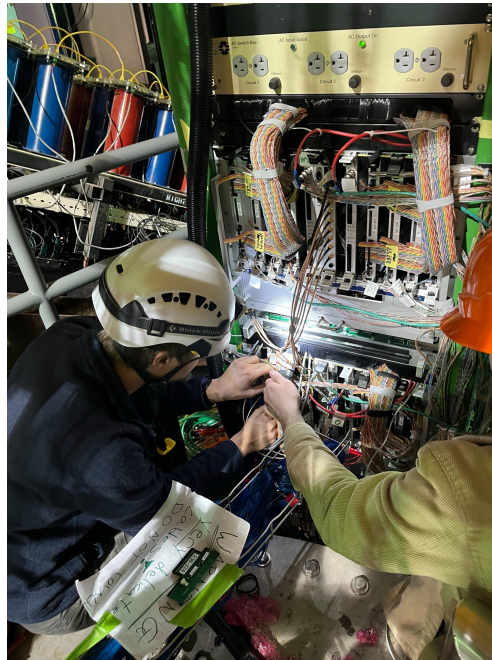


# Updates

- ODH
  - At end of duct extension, fan flow rate measurement was lower than minimum allowed for ODH-0
    - Preferred solution: Add blower at end of new duct to help the existing fan (blower has been ordered, lead time not known yet)
    - If we do have to go to ODH-1 temporarily while waiting for blower, that will be ok, but have not yet secured enough O2 monitors for this option (working on it; some complications with approved model availability)
  - All ODH strobes/horns now installed
- Cryogenic infrastructure
  - “Backup” pressure relief valve tested and ready for installation
  - Remainder of cryo system piping is installed
  - Successful ORC for air compressor ORC; today cryo team will start testing that cryo controls system functions (opens/closes valves) as desired
  - Should be ready to start gas purge today to start cleaning up impurities in the system
  - Planning to request full cryo ORC for early next week
  - Ongoing negotiation with stock room about LAr acquisition (10 dewars at a time may be difficult, but working with them to find a solution)

# Updates

- Cabling
  - CRO cabling: all cables in hand and installed in racks, ready to route to cryostat
  - LRO cabling to be done after cryo leak checks & pressure tests done
  - CRO & LRO testing ongoing this week



# Updates, cont'd

- Ready-to-fill dependencies:
  - Cryo system pressure test (next week after full cryo ORC)
    - Then cabling up from racks to detector can be completed, followed by detector checkouts
  - ODH classification (in progress, but timeline has uncertainties due to availability of O2 monitors and lead time of blower)
- Accelerator beam delivery
  - Beam was sent to Booster earlier this week, so Main Injector is imminent
  - Friday 9am AD meeting will have more updates (e.g. beam delivery to BNB and NuMI targets)