



# MINOS+ Status Report



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All Experimenters' Meetings  
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# Near Detector



- **Cold/Warm/Hot channels**
  - One Minder with CAPID errors
  - One Minder with High pedestals
  - We'll try Recalibrate/Power Cycle the crates
  - We'll replace the boards during the next beam downtime if not successful
- **Low rate minders (0-18-6, 0-20-1)**
  - Addressed the issues during last week's beam downtime
  - Replaced the Alner Boxes (PMT housing boxes) for both channels
  - ✧ **Channel 0-18-6 is now fixed !**
    - Channel 0-20-1 instead did not improve.
    - We need to investigate some more.
  - ✧ Extra Bonus: we trained 5 people to replace PMTs
- **Fan packs replaced in two Minders crates**



# Near Detector



- ND new DAQ is running well
  - See occasional crashes in the FiberNoiseSpecial run, (commissioning run, not used anymore)
  - We'll remove it from the run sequence while investigating the cause of the crashes (possible bad VTM in Crate 7)
- Beam-on new-DAQ validation finished successfully: all plots agree within the errors
  - **Removed old-DAQ hardware from the crates during last week's beam shutdown**
  - Sent (8) RIO3s and (4) PVIC Extender cards to Soudan
  - We'll retrieve most computers next week
- Working on implementing an auto-reset feature to auto-recover the DAQ when in error
  - It will reduce data loss and the need of human intervention to resume the run in most cases



# Near Detector



- WiFi in Hall
  - Coming from NOvA Hall
  - We are going to investigate its impact on our Pedestals data (if any)
- ND Network switch
  - Upgraded software by the Network Service Group during last week's beam shutdown
- CS agreements reviews
  - Updated MINOS+ Security Document
  - CS Board approved a Security Scans exemption for the next 12 months on old SLF4 DAQ Systems at both ND and FD
  - Also, SWS agreed upon NO automatic kernels, system software or libraries updates on ND DAQ : updates will be coordinated after consulting with the Run-Coordinator(s)



# Far Detector



- The FD DAQ ran well over the past week:
  - One crash on ROP06: swapped in a new Lithium battery
  - We might need to replace the board
- Many more spares will be on site soon!
- Regular detector maintenance always underway
  - Replaced bad TRC in Crate 12
  - Replaced noisy VARC card in Crate 7
  - Replaced two HV cards in LeCroy MF 4



# MINOS+ General Status



- We are taking very good beam data: thanks AD!
- Regular shifts are underway
  - Shifts are covered for the next two months