

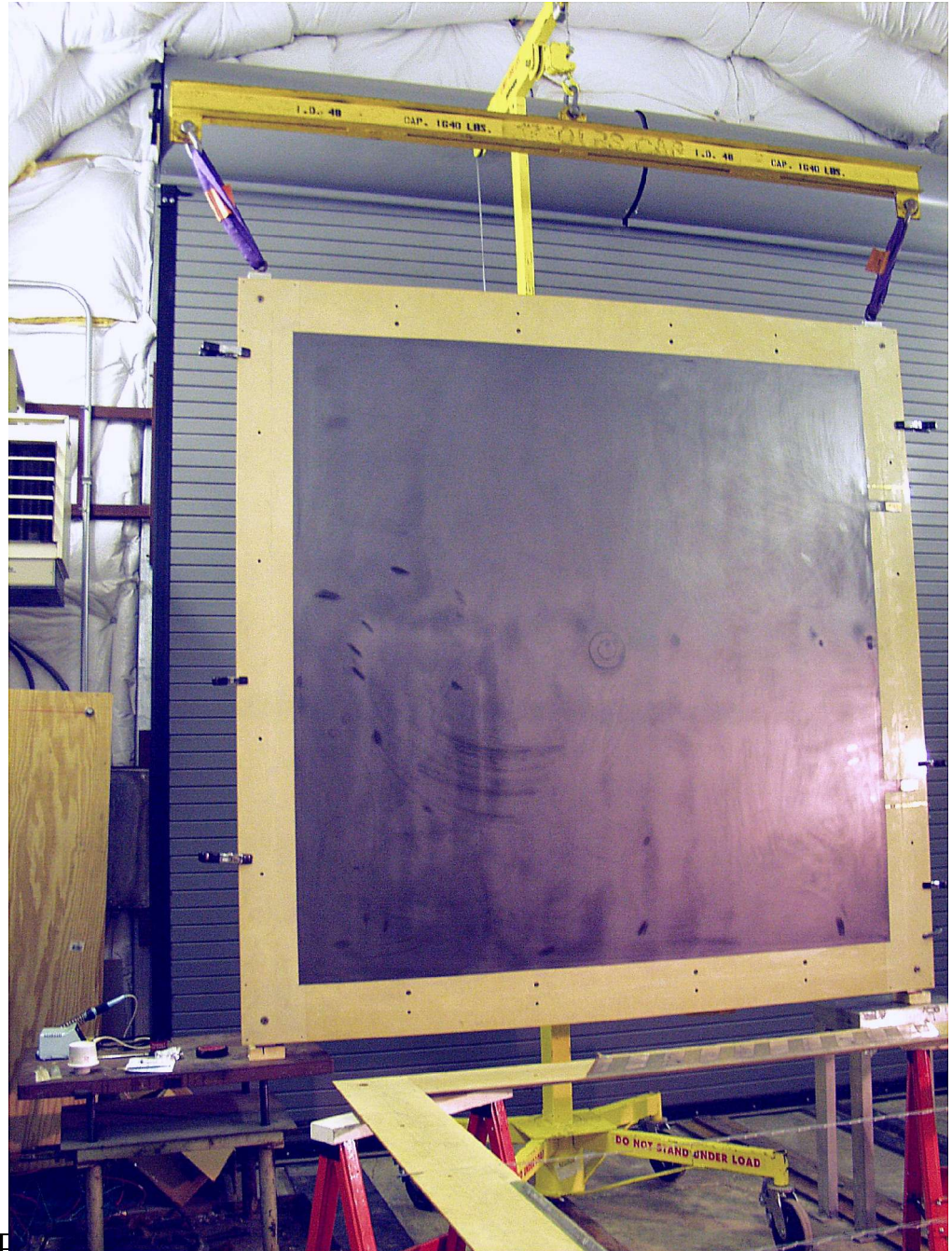
# *MIPP Update*

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Fermilab All Experimenters' Meeting  
10/25/04

- Hardware status
  - PWCs, other detectors, ...
- Software status
  - Track fitting, vertex reconstruction, ...
- Run plan

# *PWC repair*

- 15 broken wires in two chambers have been replaced
  - 8\*640 wires total
- One cathode plane has been patched
- Initial test indicate complete success on repair
  - Final test at operating voltage after gas purge



# *PWC repair continued*

- One week per chamber
- Expect no more wires to break

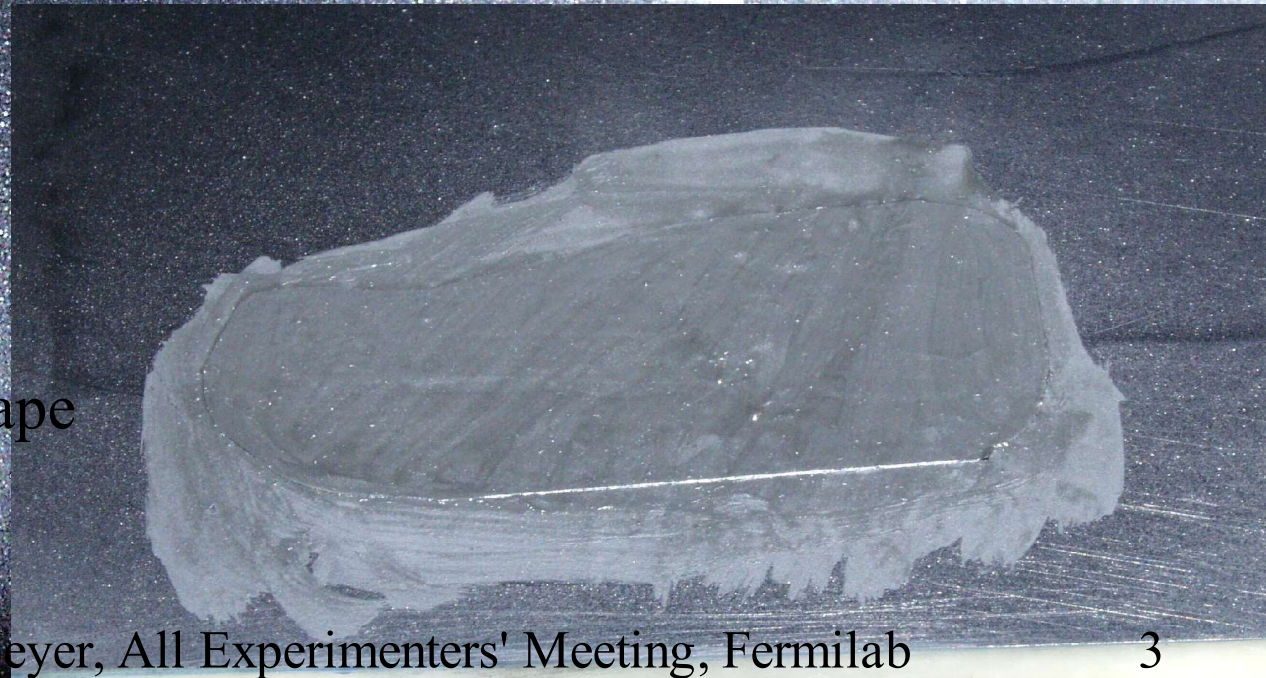


## – Anode:

- Remove old wire fragments
- Solder new wire in with 70g tension weight

## – Cathode repair:

- Clean
- Patch with Kapton tape
- Paint with Aquadag



# *Other detectors*

- TPC
  - All anode sections now hold HV
    - Removed small epoxy bead that was left from previous repair
- Drift Chambers
  - Fused all discriminator cards with resettable fuses, put components for proper ECL output to trigger
  - Gain matching and efficiency optimization in progress
- RICH, Ckov, Tof, Bckov, trigger, slow control,...
  - All working with dead channel repairs, other small improvements in progress
- Cryotarget is on schedule

# *MIPP Software*

- Online:
  - Core DAQ is working well, stable
  - Improvements:
    - DB interface
    - automated log-book entries for run start/end
    - DAQ version stored in run files
    - TPC readout code
- Offline:
  - Tracking in TPC is working
  - Vertex reconstruction in progress

# *MIPP run plan*

- Start up with cryogenic target
- Switch to nuclear targets (target wheel)
  - No downtime
- Switch to NuMi target
  - 120 GeV beam line operation (safety,...)
  - Target mounting not in place yet
- Repeat to increase statistics
- Details (dates) depend on the beam we get