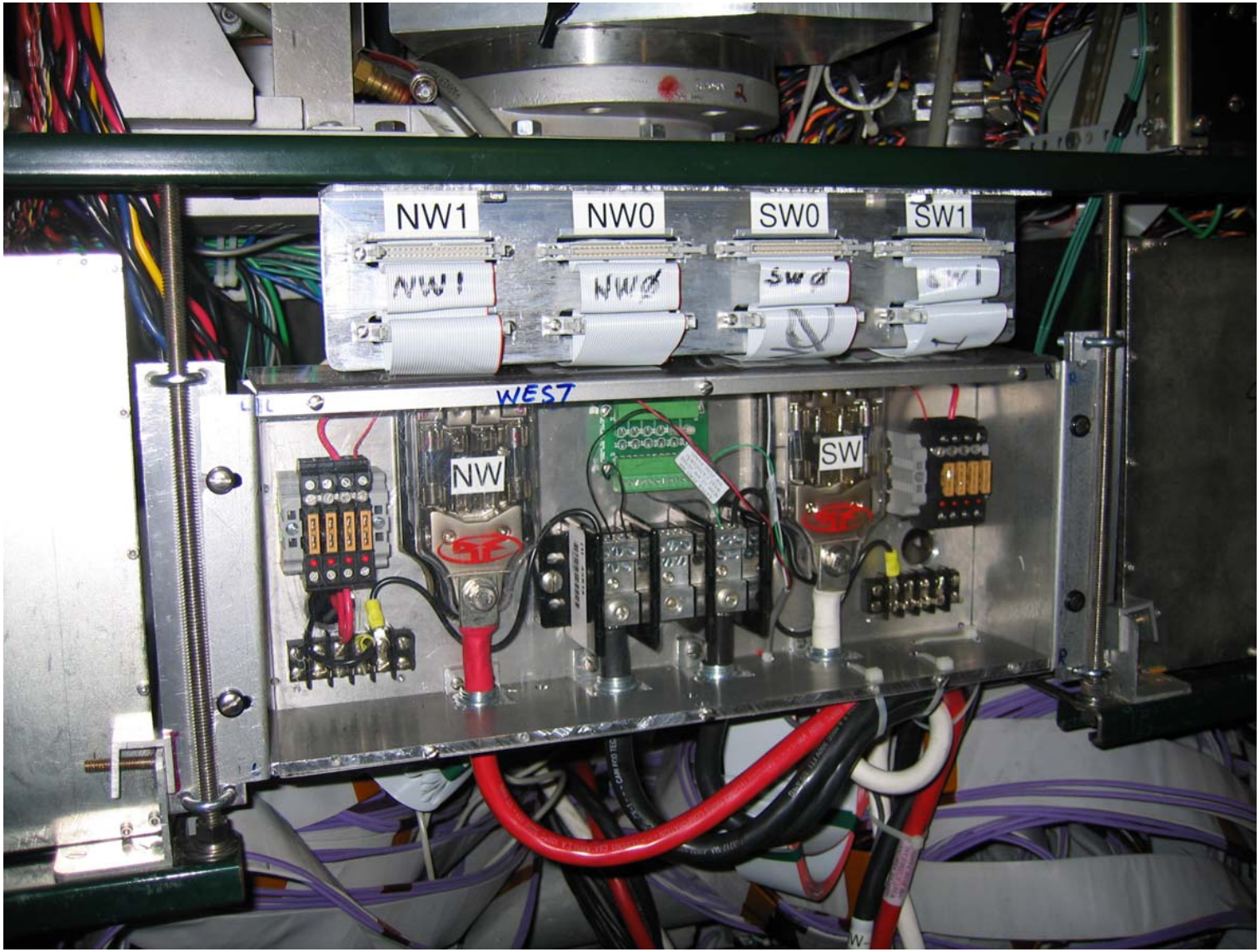
Installation of L0 modules at DZero (L.Bagby, A.Nomerotski)

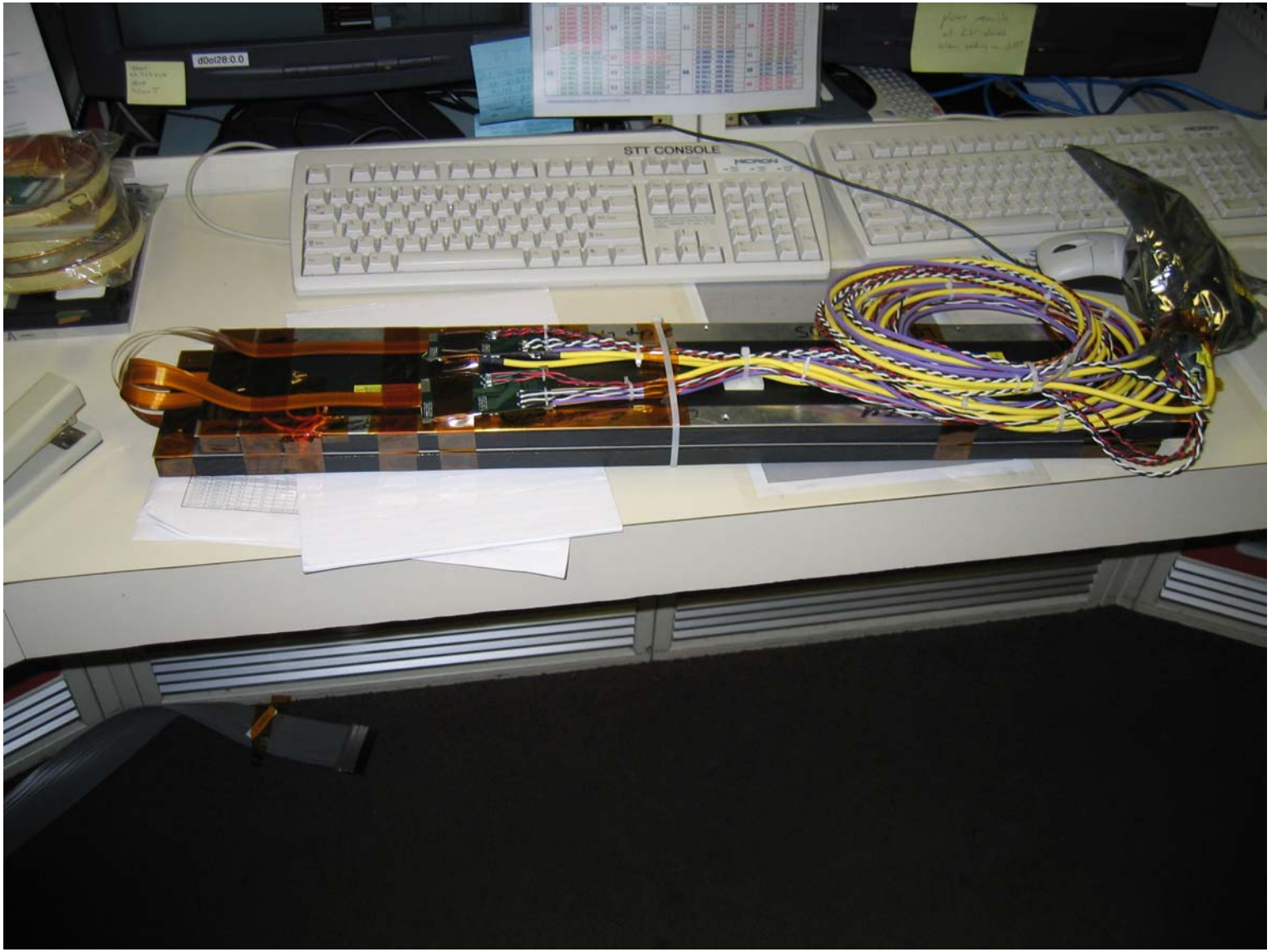
- Installed WIENER PS in MCH2, fuse panels in Cathedral, interlocks
  - All cabling up to AC done, powering up in progress
  - PORC in progress
- Re-cabling of H-disks is in progress
- Installed 4 L0 readout chains to replace 4 non-working H-wedges
  - Two Run2B-style modules (#103 and #105) and two bare hybrids (#214 and # 309)
  - Sensors aligned to see simultaneous hits
  - Located between CAL and first layer of MUO at eta~=0.4 on the edge of central CAL cryostat
  - Some software/firmware work is needed
    - SVX4 hybrid has been read out at crate 79 through Purple card, infrastructure is in place to read out full chain at crate 79
    - Download GUI so far does not work for SVX4. This is complicated by the simultaneous transition of the online DB to Linux
    - Firmware at the corresponding SEQ needs to be finalized and debugged

Wiener Power Supply in rack MCH209

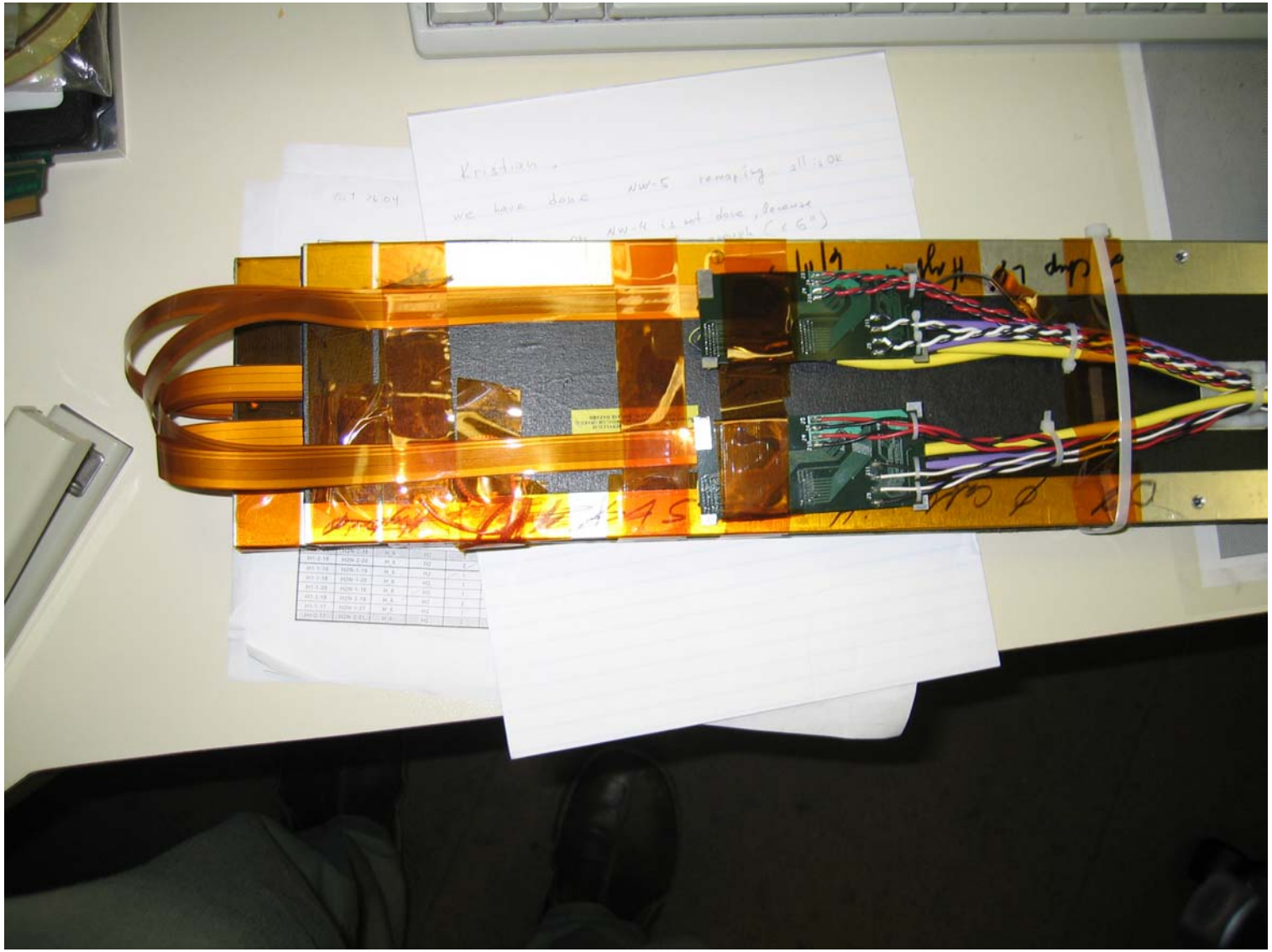
West Cathedral Fuse Panel



Four SVX4 readout chains

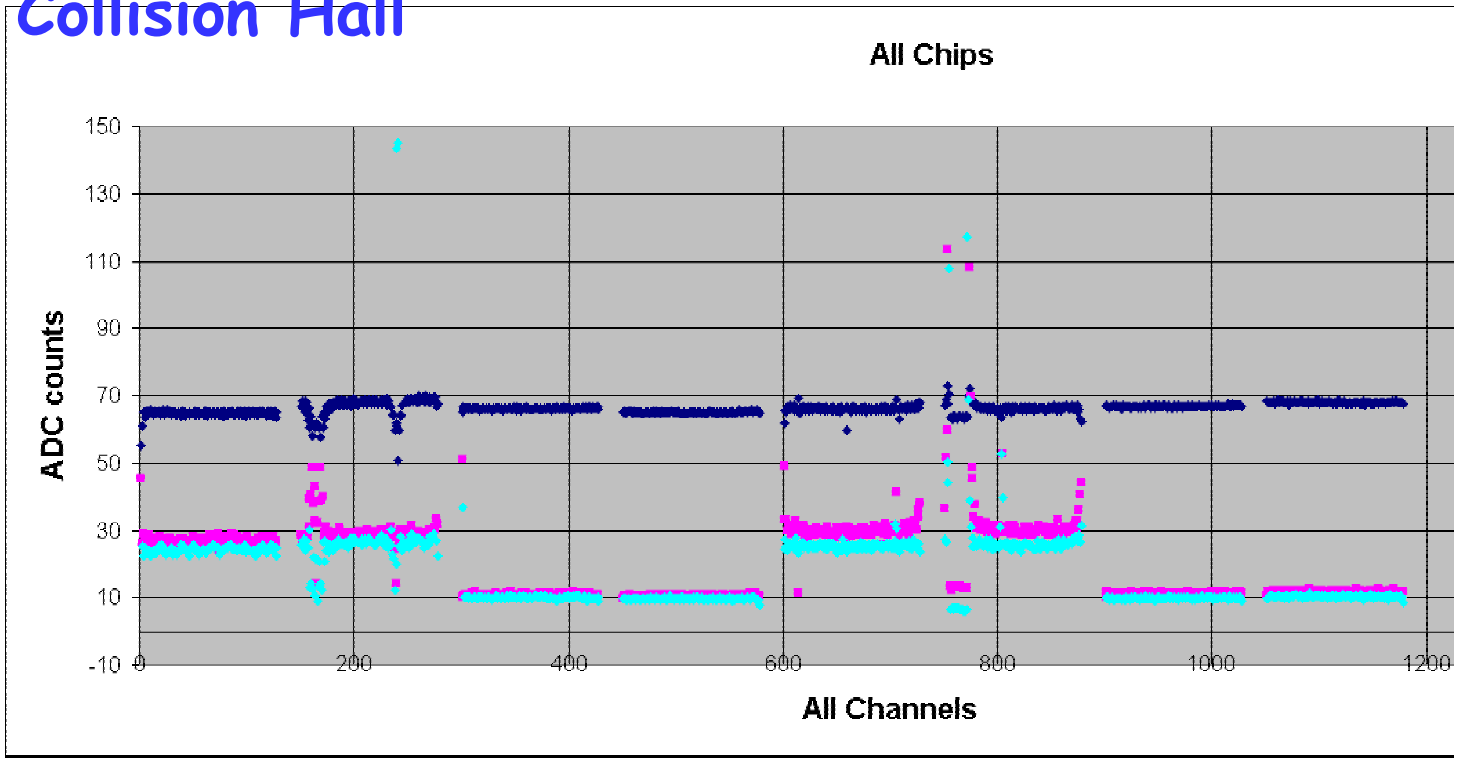


Junction Cards



Four SVX4 chains

- Tested at Sidet before installation
  - Total bias current ~ 3 microA @ 100V
  - Grounds of modules are connected to each other
  - Hybrids are grounded through their cables only
- Whole package is insulated from outside GND in Collision Hall



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Module Installation

Cables from modules