



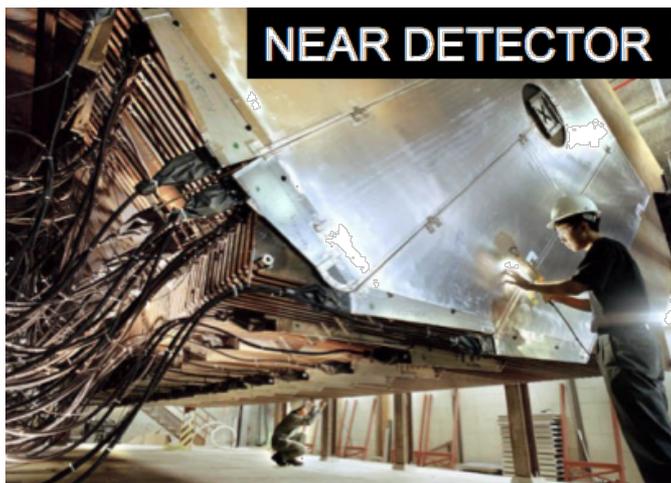
# MINOS+ Status Report



Donatella Torretta  
All Experimenters' Meetings  
September 9, 2013



# Near Detector



- Detector and Magnet **ON**
- **Power Outage** on Sunday 09/01
  - almost everything tripped underground
  - Steve and Son recovered Detector, DAQ and Magnet
- Low rate Minders (0-18-6, 0-20-1)
  - investigated possible HV issues
  - using HV divider probe with HV cable connector, we confirmed the correct voltages are present at both output spigots on the back of the HV Mainframe **AND** at the PMT's input
  - PMT/ Aler box issue?
- Two intermittent warm/hot channels
  - will replace Minders this week
- DAQ running very well



# Far Detector



- Regular detector maintenance
- Fixed low rates in Crate 1
  - traced back to VARC 0
- Replaced Lithium batteries in 10 VME CPUs
- DAQ problems
  - lost ROP05 (in Branch 1); tried the spare on hand, no good either
  - could not run without Branch 1, because of high PMT trigger so left FD on Idle for the Labor day weekend
  - fixed DAQ when spare CPU from ND arrived ( on Tuesday)
  - lost ROP03 a few days later: recovered with another spare from ND



# Far Detector DAQ



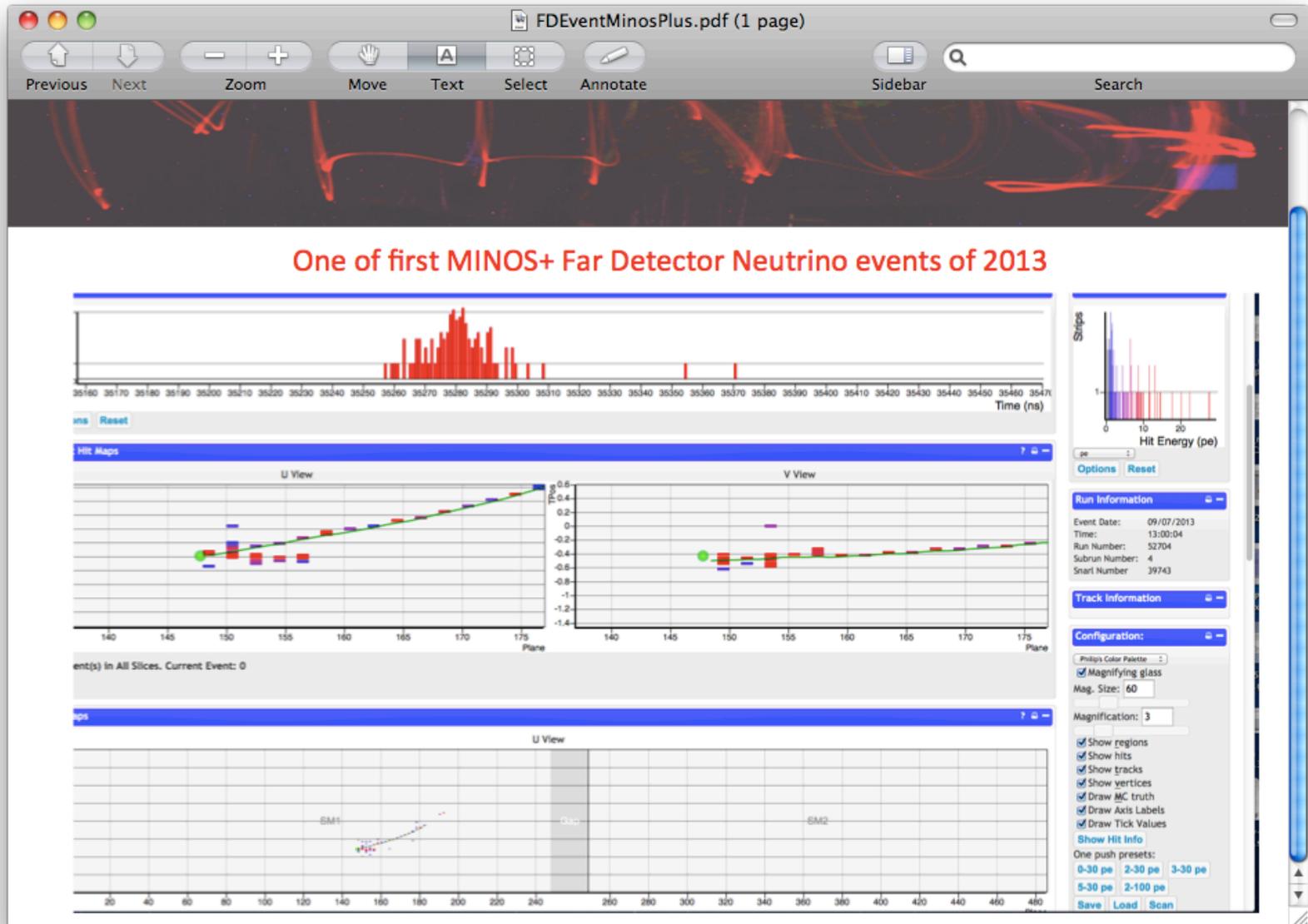
- Need more CPU spares at FD
- Two CPUs are being repaired at the factory, CES (CH)
  - Expected to be back at end of August, but are late
- Found one (bad) spare at FD, one (bad) spare at ND
- Good news is that we'll have 8 CPU spares from ND as soon as the new DAQ is certified with beam data (1-2 weeks?)
- Resume working on refurbishing the FD DAQ w Motorola 5500 as done at ND



# MINOS+ Readiness



- Beam is back! Thanks AD!
- And neutrinos have arrived to FD.





# MINOS+ Readiness



- Regular shifts are underway
- Doing our best to take excellent data