

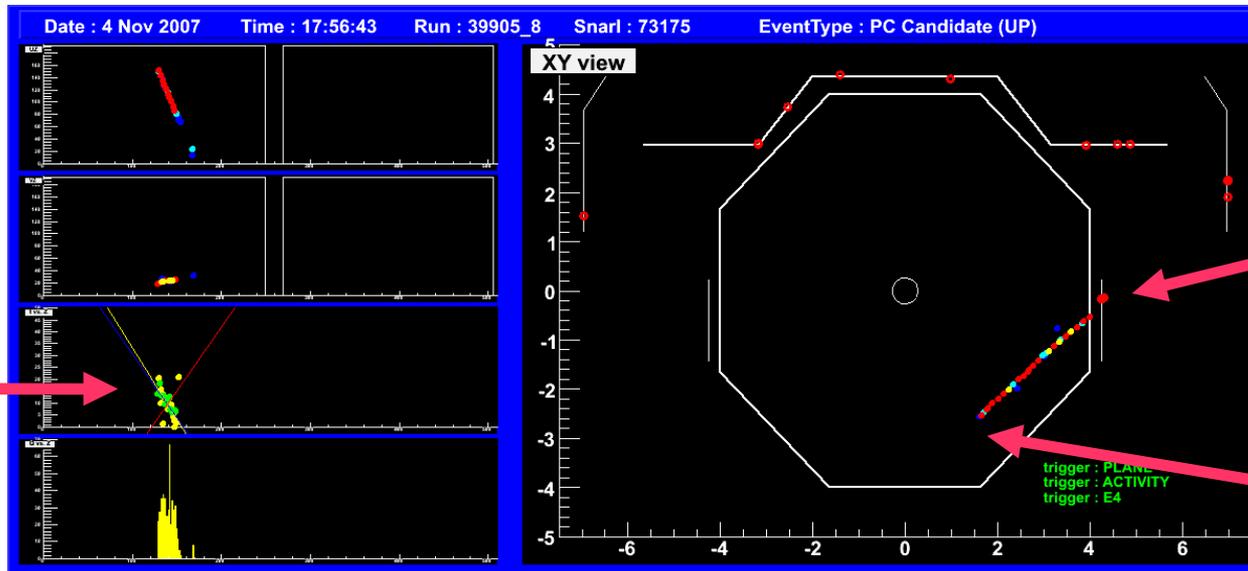


# NuMI-MINOS Status Report – S. Childress

- FAR DETECTOR: Alec Habig
- Cosmic ray & Atmospheric  $\nu$  operations continue with >99% livetime this week
- NEAR DETECTOR: Alec Habig
- Dust cleanup from Minerva ceiling work complete
- LCW Chiller skid maintenance under way
  - Will resume normal cosmics and calibration operations when chiller work completes on Wednesday

example  
atmospheric  
 $\nu_{\mu}$  CC  
interaction  
(yesterday  
at Soudan)

Hit times  
match upward  
hypothesis



$\mu$  exits  
detector

$\nu_{\mu}$  interaction  
vertex



# NuMI-MINOS Status Report – S. Childress

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## BEAM SYSTEM EFFORTS:

Mike Andrews Shutdown Coordinator

### Target Pile Chiller & Dehumidification Installation / Startup

- Chiller turned on successfully. Fermilab staff training last week.
- Much wiring completed for new target chase Dehumidifier system. Required several days beyond estimates. Vendor here now for start-up. - thru Nov. 8. Completing work for remoting controls. -
- Evaporation system installation nearing completion. Controls in progress. Not essential for beam start-up

Target hall has been secured; interlock testing accomplished.

Thermal imaging of horn strip-lines completed. Horns powered.

Pre-target power supplies turned on (some work is required for E:V118 ps.)



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- BEAM SYSTEM EFFORTS: (cont)
- Decay pipe Helium effort
  - Fill system piping complete.
  - Monitoring and controls installation in progress
- Helium Safety progress
  - ES&H documentation (8 documents) & internal reviews completed
  - NuMI/MINOS ES&H committee review ongoing - need for He fill.
  - SAD review ongoing - need for beam approval.
- Decay pipe He fill now planned for 9 - 13 November
  - Vacuum pump down weekend of 9-11 Nov. He fill 12-13 Nov.
    - Requires unoccupied NuMI target area underground
  - Install & Seal R-Blocks & T-Blocks over Horns 14-15 Nov
- Current projection: NuMI beam Friday 16 Nov. evening.