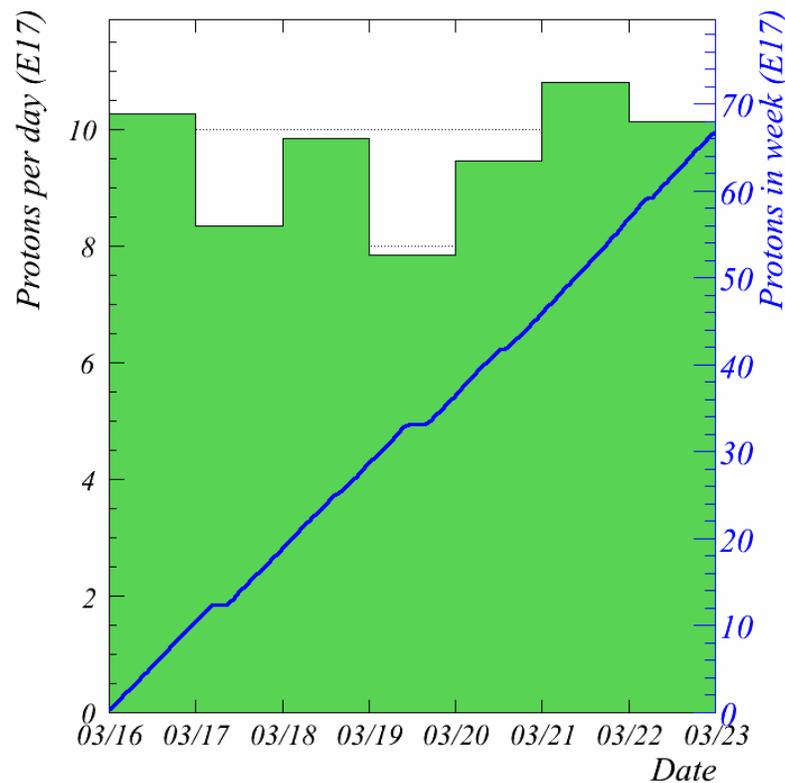




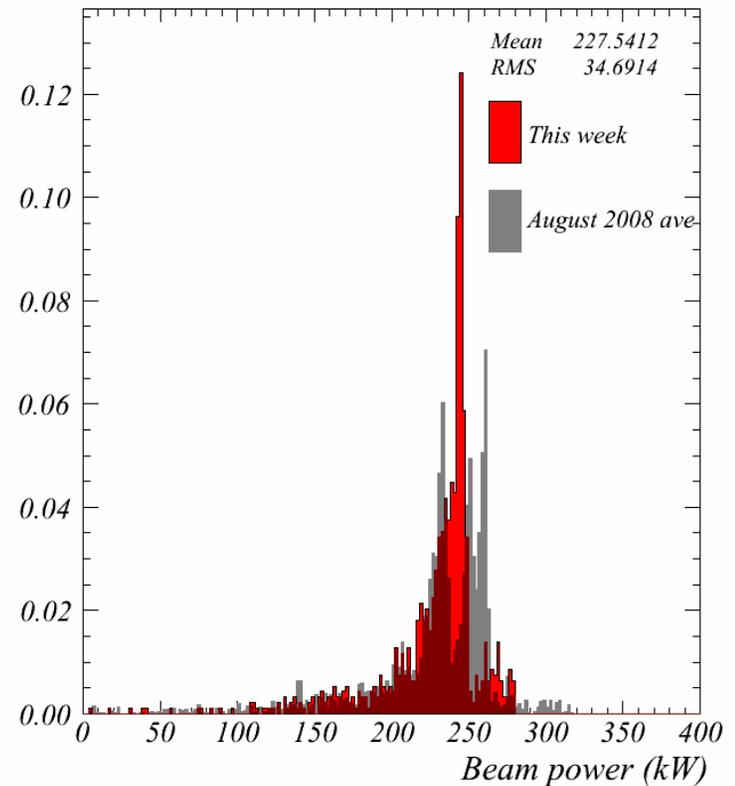
# NuMI-MINOS Status Report – Bob Zwaska

- 67e17 protons for the week
- Reasonable powers
  - Occasional downtimes

Week to 00:00 Monday 23 March 2009



Week ending 00:00 Monday 23 March 2009





# NuMI-MINOS Status Report – Bob Zwaska

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All Exp Mtg  
March 23. 2009

## NEAR DETECTOR:

- Cooling water troubles
  - Cooling water temperature increased, in several steps, to 78 F
  - We had been running @ 71-72 F, ideal is 67 F
  - Problem appears to be related to a flow-control valve
  - Some manipulation reduced temp to 75 F
    - Replacement is likely needed, and under consideration
- Water leak in coil PS
  - Numerous hoses replaced
  - Down for most of Thursday
- Rack Protection System has faulty fan power
  - Will be replaced with a spare at opportune time
- Some downtime for MINERvA welding
- Magnetic field is REVERSED

Proton-weighted Live time: scripts down – estimate 90-95%



# NuMI-MINOS Status Report – Bob Zwaska

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All Exp Mtg  
March 23. 2009

## FAR DETECTOR:

- No significant problems
- Fan swapped in HV crate
- Power outage planned for April 3 – coordinated with no-horn running (see next slide)
  - Detector will be down for 4-8 hours
  - Fiber work will also be done for spare GPS system

Proton-weighted Live time: website down – estimate  $> 99\%$

Wall-clock Live time: website down – estimate  $> 99\%$



# NuMI-MINOS Status Report — Bob Zwaska

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All Exp Mtg  
March 23, 2009

## Plan for Horn-off Running:

- A small amount of *Near Detector* data taken with the horns off is a high priority before the shutdown
  - Need 6-7e18 of horn-off data
    - Already have ~ 2e18
  - High-priority before shutdown
- Plan to take data over two weekends in April
  - Minimize possible effects from concurrent installations in MINOS hall
  - April 3-5 (including Friday day for Soudan power outage)
  - April 17-19 (starting Friday afternoon)
  - Should be transparent to operations upstream of NuMI
    - Requires some masking in beam permit system

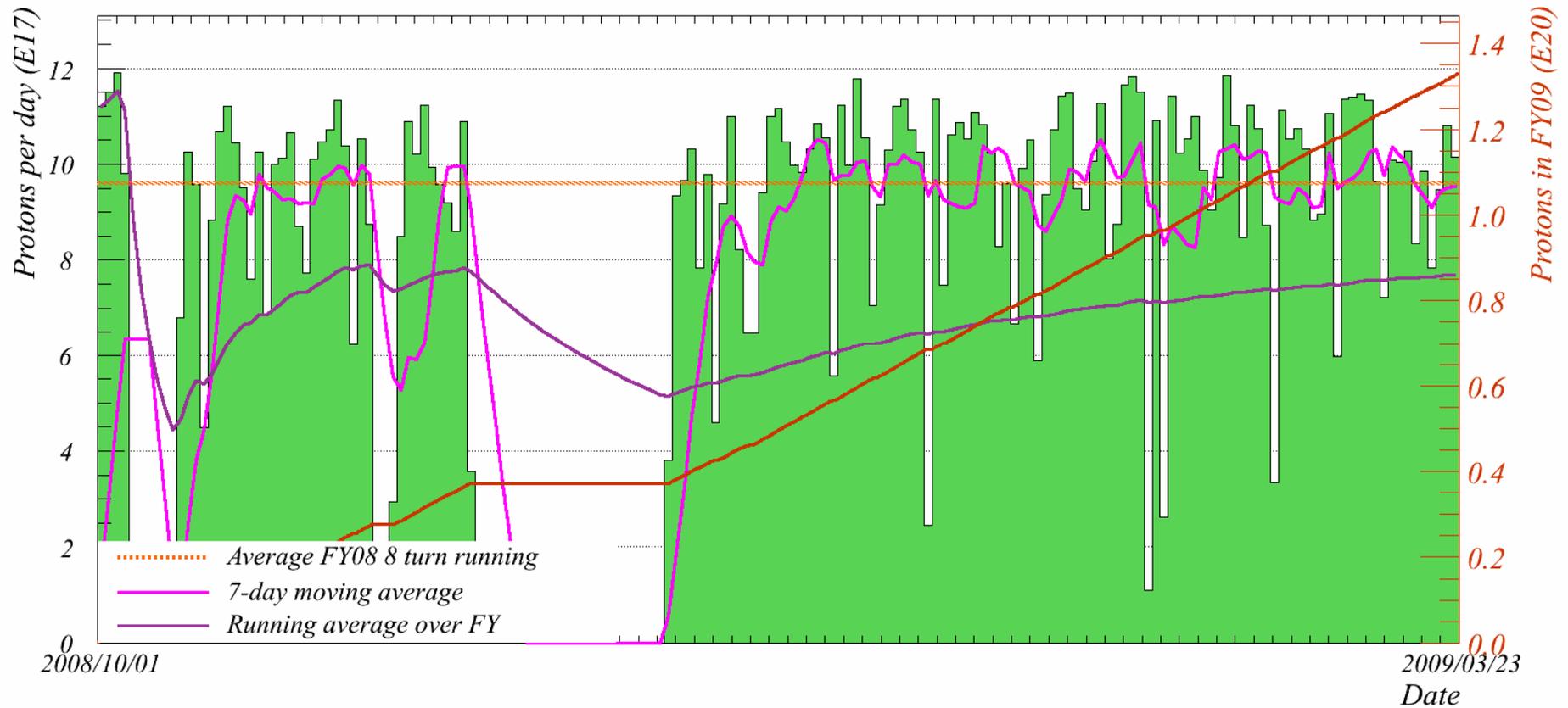


# NuMI-MINOS Status Report – Bob Zwaska

All Exp Mtg  
March 23, 2009

- Fiscal year 2009 -  $1.34e20$

FY09 NuMI protons to 00:00 Monday 23 March 2009





# NuMI-MINOS Status Report – Bob Zwaska

All Exp Mtg  
March 23, 2009

- Entire Run -  $6.9e20$

Total NuMI protons to 00:00 Monday 23 March 2009

