



NuMI/MINOS Status

Rob Plunkett
MINOS Run Coordinator

Fermilab All Experimenters' Meeting
23 May, 2005



Beam Operating Conditons

- Target leak seems stably controlled with backpressure method.
 - « Instrumentation has stabilized after adjustments
- Placed target in HE position on 5/12/05
- Returned target to LE position on 5/20/05
 - « After accumulation of $1.6 \text{ E}18$ protons
 - « Improves FD rate, useful for systematic studies of beam.
- Protons per pulse generally in range 1.2 to 1.4 $\text{E}13$. Shows good consistency.
 - « For a few pulses we saw worse conditions when booster was having problems.



Detector Status and Downtime

- Detectors continue to function reliably
 - « Two incidents of bad data, although still running.
 - * Chiller trip at far detector caused 2:05 of running without magnets energized
 - * Computer reboot problem at near caused 1:45 of running without recorded beam data stream
 - « Other problems on order of 20 minutes
 - * E.g. restart of DAQ at far detector
- Have to use manual calibration sequence at near detector
 - « Veto of light injection signals during datataking not working
 - « Do calibrations during shot setup.
 - « Testing a number of fixes.



Delivered Protons to MINOS

