

MIPP Status

Holger Meyer
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- Detector status
- NuMI target in MIPP
- Beam status
 - Past
 - Future

MIPP Statistics

- MIPP finished collecting Priority 1 data below 120 GeV/c and took a small amount of Priority 2 data at 35 GeV/c and 59 GeV/c
- Some runs were taken with bad beam quality.
 - I will have to sort through to get final numbers on how many good events we collected at each momentum

MIPP detector status

- The detector was working well over the last two weeks.
 - A few small problems did not impact data taking.
 - OnMon computer hardware failure
 - recovered within half day
 - Experts could run online monitoring on their laptops
 - We were not flying blind
 - RICH electronics did not initialize once
 - Did initialize on repeat try
 - A few minutes of run-time were lost
 - Methylal refrigerator for Drift-Chamber gas mixer has ice build-up, warmed up several degrees
 - iFix control software can take this into account, DCs got good mix
 - Maintenance this week
- The detector has been running for many weeks without a significant problem in any subsystem!

NuMI target in MIPP

This is the good news

- A detailed schedule was worked out over the last weeks.
- All pre-shutdown preparations have been completed by last friday.
- MIPP beam turned off at midnight and people are working in all enclosures now.
- Work on the HPTF and M-Test is going on, too.
- All work is on schedule for startup with 120 GeV/c beam on the NuMI target in MIPP on friday, 6/10, 6pm

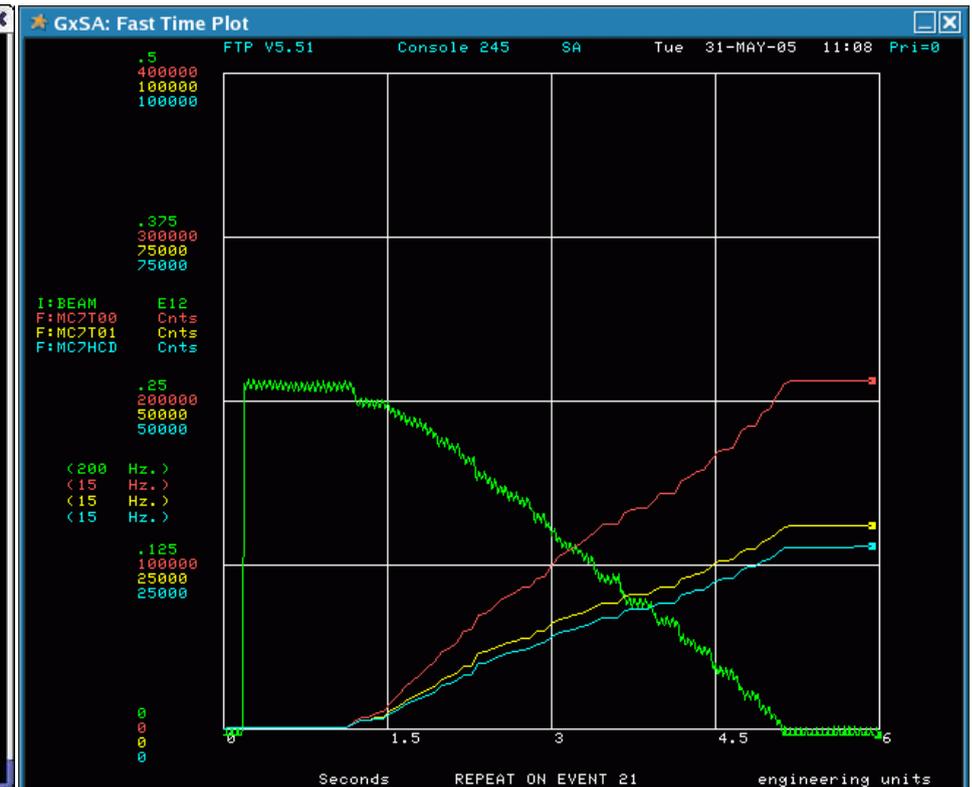
MIPP beam status

This is the bad news

- Beam to MIPP has been of less than perfect quality ever since the 4 second extraction was established on 5/10/05
 - First: MIPP knows that everyone working on this is doing their best.
 - However: Bad and ever changing beam conditions make it ~~extremely difficult~~ impossible to take good data with high rate.
 - We did take actions to get the best data with the given beam conditions (modified interaction trigger, ...)
 - This did impact data taking over the last weeks
 - This will impact data taking over the next weeks
- With one 4 second slow extraction per 2 minutes MIPP will not collect enough data to satisfy the physics needs of MINOS (or others) by October 31st.

MIPP beam status

Non-uniform extraction hurts MIPP



MIPP summary

- We have a good detector. We need good beam.
 - Good people are working hard on a difficult problem: QXR, MI orbit, etc.