

# MIPP Report

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All Experimenters' Meeting

Fermilab

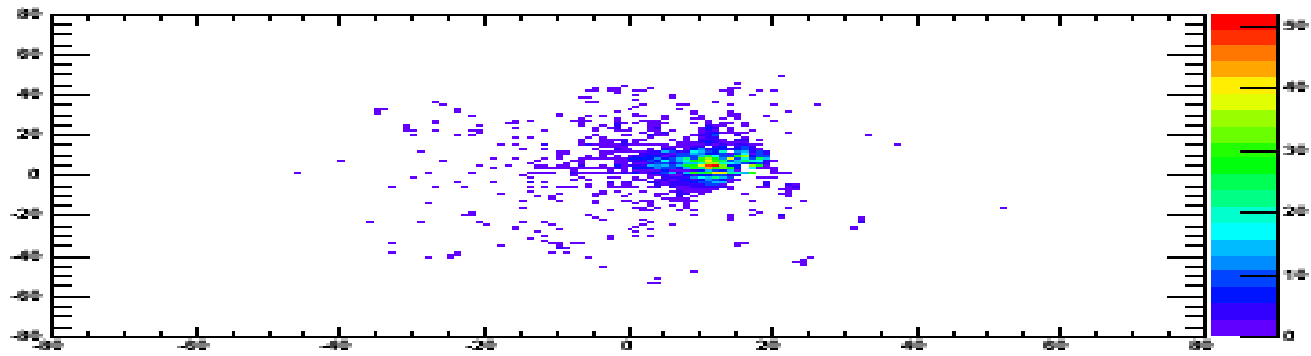
31 October 2005

# News

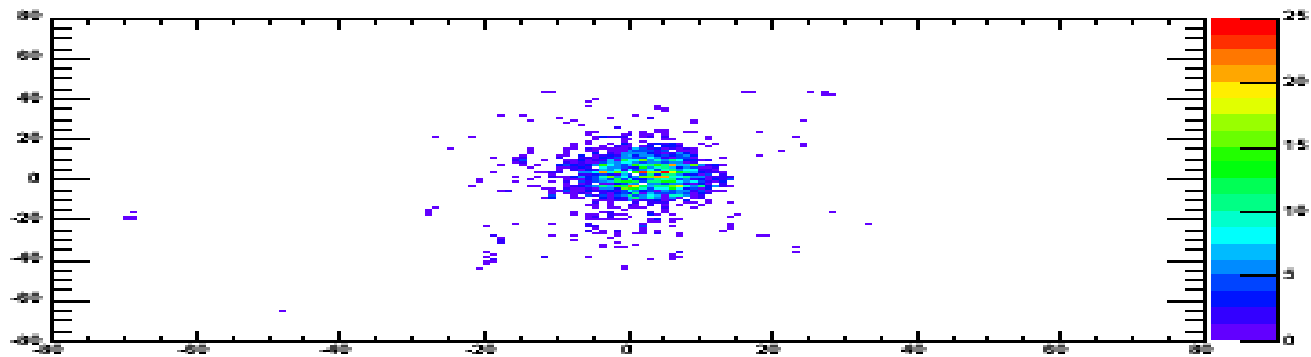
- Not a good week
  - Problems with secondary beam tune
  - Focus was off, and lots of "spray"
  - Experts worked on the tune but could not improve focus or reduce spray without getting an angle through the target
  - Had to turn down the intensity to minimize sprays
  - As a result, our DAQ rate went down by 2

- Confirmed late last week that the primary target is not aligned (was not re-installed precisely after it was taken out for MINOS-target-running)
- Affects data from the last 3 weeks — but mainly 20 GeV data since 10/21
- Work is going on today in MC6 to align the target.
- Bright side: beam delivery last week was very efficient and detectors are performing well. No serious down-times.

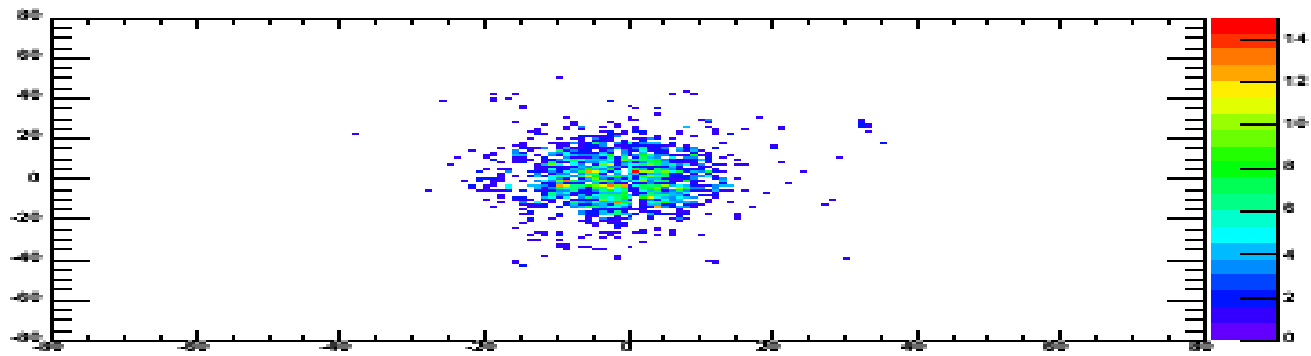
BC Beam Spot BC1



BC Beam Spot BC2



BC Beam Spot BC3



# Status & Plans

- Running +20 GeV  $\pi, K, p$  beam on LH<sub>2</sub> target
- Event totals:
  - Last week 20 GeV on LH<sub>2</sub> : 2818 spills, 162k events
  - Total last month on LH<sub>2</sub> :  $1.16 \times 10^6$  events
- Once the primary target in MC6 is aligned (today) we hope to have a good, stable tune established and resume running.