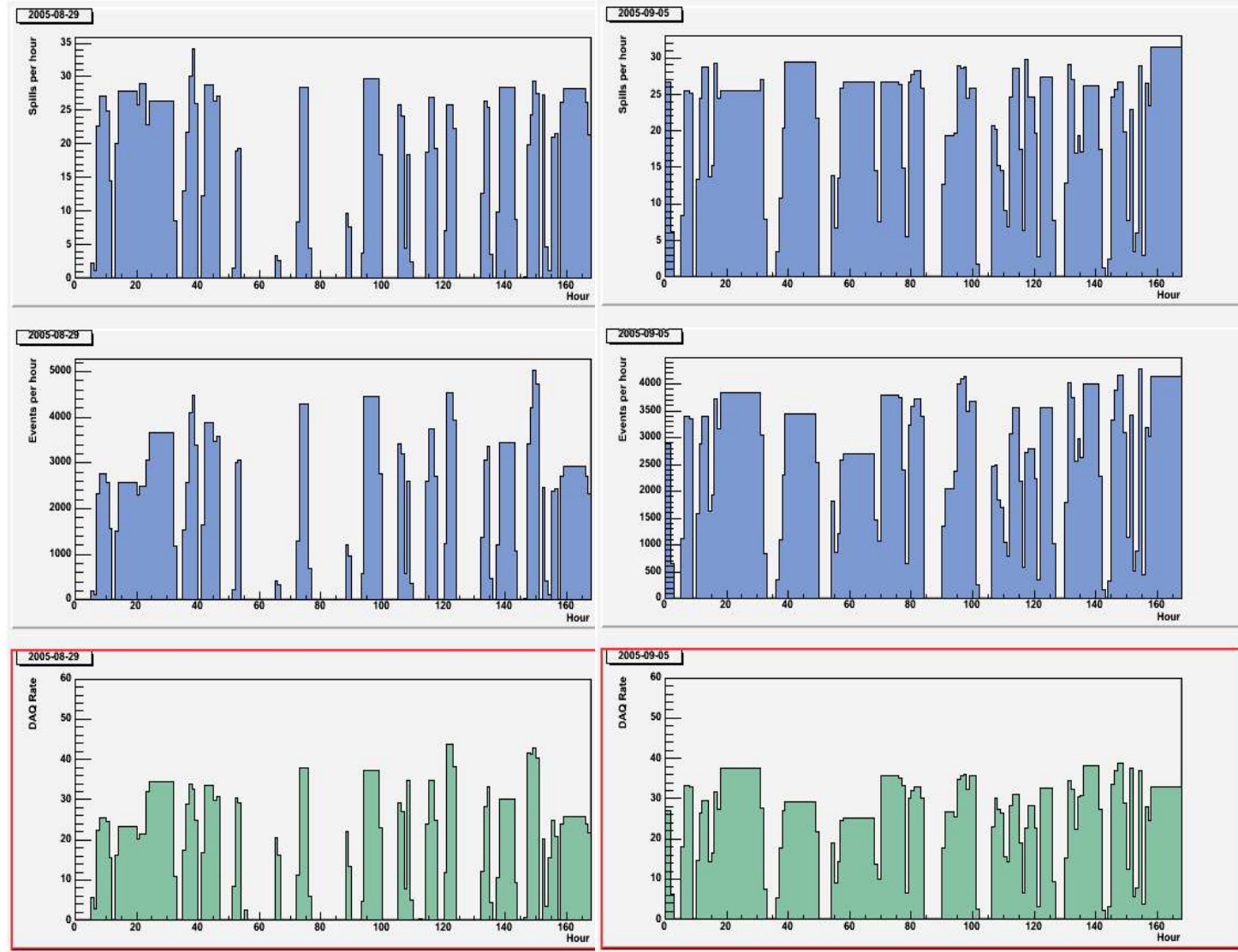# *MIPP Status*

Holger Meyer
Fermilab All Experimenters' Meeting
9/12/05

- Statistics

- Beam and detector status

MIPP Event Statistics

- Be, C, Bi targets +120 GeV/c protons

- Week 8/29-9/4:
  - 274k events in 2169 spills

- Week 9/5-9/11:
  - 417k events in 3233 spills

- Total events: recorded (goal)
 - 862k Be (1000k) 380k C (380k) 792k Bi (1000k) plus empty target

MIPP Beam and Detector Status

- No beam issues over the last two weeks when beam was delivered.

    - Beam size, position, and intensity were ok with no more than the usual small interruptions.

- The detector was running well and data quality was good most of the time. Problems (all resolved):

    - E907daq hardware problems (spontaneous reboots). Commission e907daq2. Thanks to IIT for providing this computer. (first reboot on 8/31, 1830h, e907daq2 taking data 9/2, 1600h; 4 hours of beam time lost)

    - 1 tdc replaced on DC3 to recover some dead channels (9/8)

    - Methylal refrigerator failed, replaced with improved system (9/8)

    - 53 Mhz MI rf, dirty connector in splitter in the cross gallery next to the MCR (9/9; 1.5 hours)

        - This also happened 8/8/05.

MIPP Cryo-target preparations

- Next week (9/19) we will switch to secondary beams and cryo-target.

- Beam-line:

  - Collimator needs to be moved out of the beam (physical lock, Acnet)

  - Primary target in MC6 needs to be raised into the beam (micrometer screw)

  - Interlock configuration needs to be set for secondary beams

- Cryo-target installation:

  - remove target-wheel

  - install target transfer line

  - survey/align

  - cool down

- Cryo-target operations test with mock-up transfer line scheduled this week

cryo-target

transfer line

TPC

Target wheel
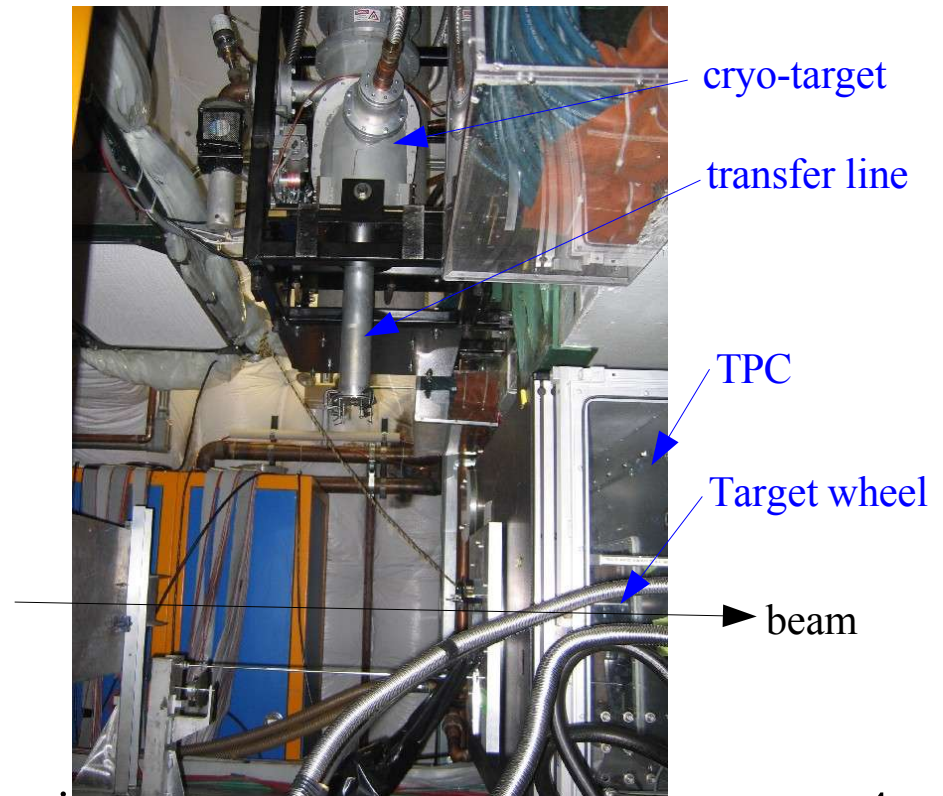
beam

MIPP Summary

- MIPP is taking data with 120 GeV/c protons on Be and Bi.
  MIPP will switch to secondary beams and cryo-target next week.

- During the last two weeks data taking was interrupted due to computer failure (resolved), 53 Mhz MI rf (resolved)