

MIPP Status

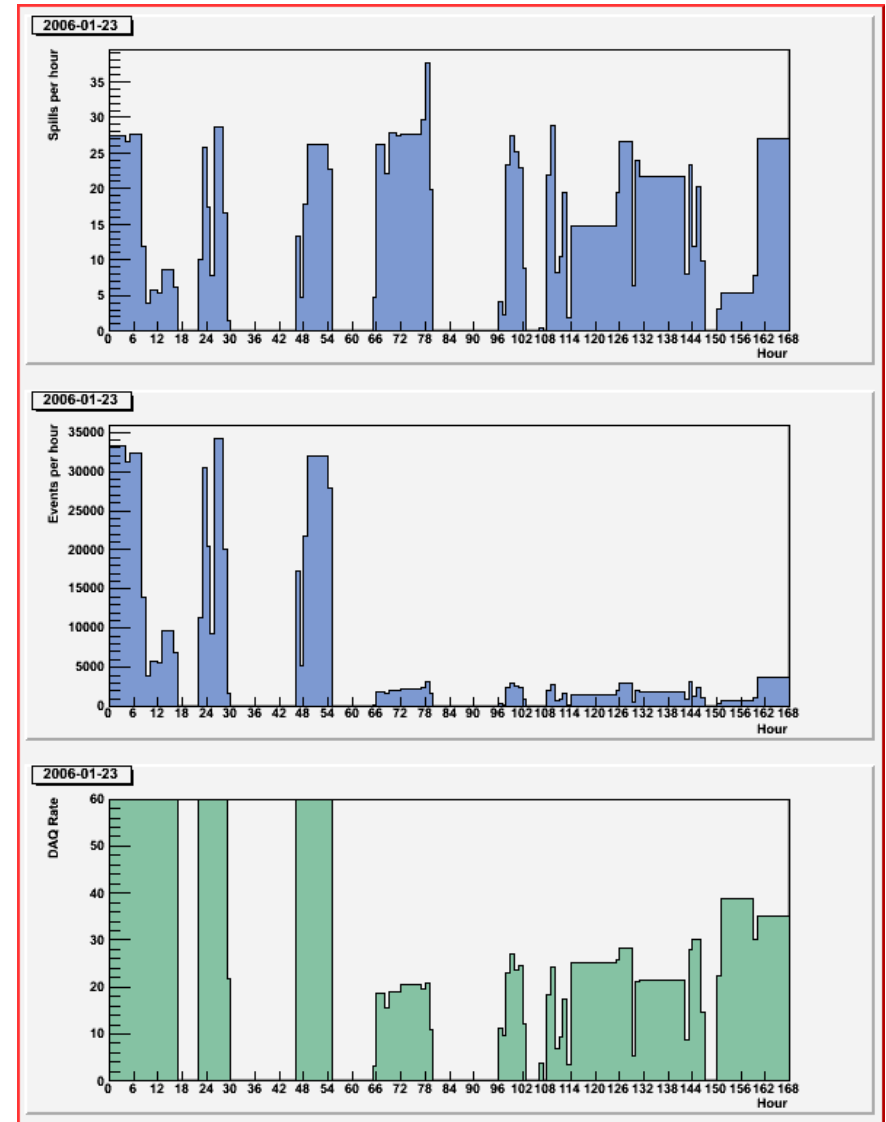
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Fermilab All Experimenters' Meeting
1/30/06

- Statistics
- Beam and detector status



MIPP Event Statistics

- Kaon mass run:
 - +63 GeV/c π /K/p beam
 - 268k events in 231 spills
 - Monday 0:00am to 8:35am
 - +56 GeV/c π /K/p beam
 - 498k events in 418 spills
 - Monday 9:18am to wednesday 11:10am
- -59 GeV/c π /K/p beam on uranium and bismuth
 - 148k events in 1823 spills



MIPP Beam and Detector Status

- Beam over last week:
 - Beam profiles and intensity were good most of the time when beam was delivered.
 - Some problems with MC6D power supply. MC6D is now ramped on every spill.
- Detector:
 - Steady data taking whenever beam was available
 - Several minor problems were resolved during accelerator downtime

MIPP Beam and Detector Status

- Notable events:
 - Minor readout problems with BC1 during high rate runs.
 - JGG cooling water leak on bypass across last week's leak
 - fixed during Booster access on tuesday, no additional downtime.
 - JGG power supply trip friday afternoon · blown fuse replaced
 - DC1 plane 1 started to show noise friday afternoon
 - Partial HV short, 50 nA dark current
 - Not fixed yet, but we are working on it.
 - Track reconstruction does not suffer much
 - False interaction triggers due to this noise
 - New JGG water leak found on saturday, fixed this morning
 - One hose was missing a hose clamp. A clamp got added to this hose.
 - Low water resulted in magnet trips, 3 hours of
 - Rosie current regulation not working well, current changes of up to 5 amps with setting of 850 amps, fixed this morning.

MIPP Summary

- MIPP was running reasonably well over the last week despite minor problems.
- We will take more data on (mostly) U and Bi.