

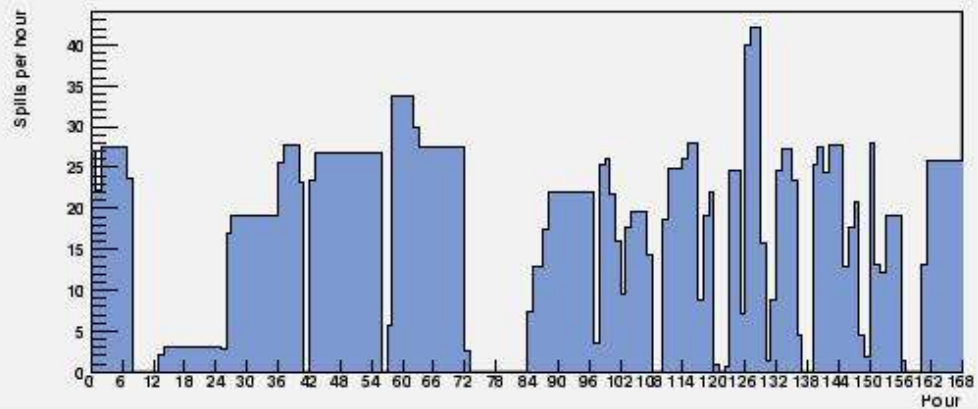
MIPP

Nickolas Solomey

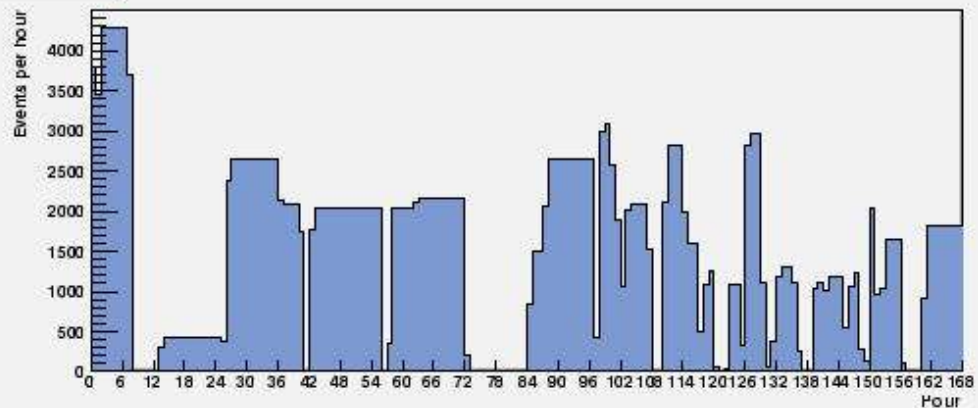
All Experimenters' Meeting

Feb. 6, 2006

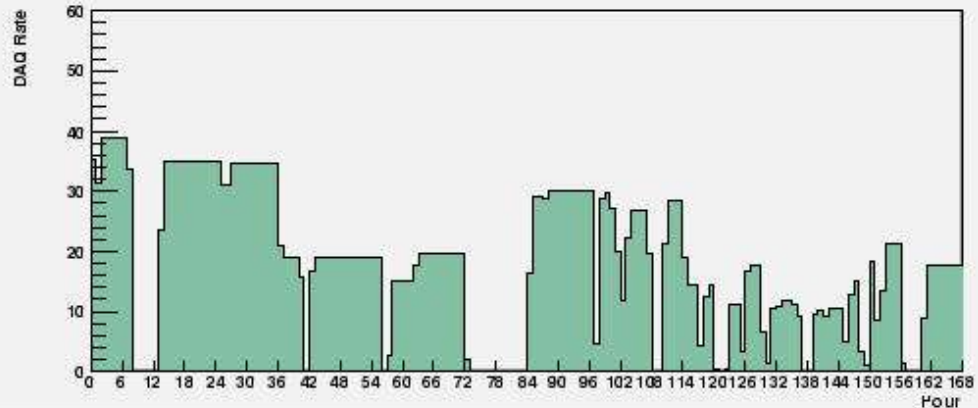
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Experiment summary:

- Took 2869 spills and 253,828 events with Uranium target at $-59 \text{ GeV}/c$.
- Experiment conditions:
 - No beam during several periods.
 - Took one access with beam to fix TPC chiller problems.
- Beam conditions:
 - Stable and good beam mostly, but several occasions where the ratio of good events to bad events were unacceptable. This was tuned by Chuck Brown.

Future plans for this week are:

- Finish -59 GeV/c data at 750,000 events, add some Cu and Bi data so Livermore can do their Homeland security study for projecting to Plutonium.
- Plan to then finish -59 GeV/c data taking on Uranium, Bi and Cu target within 2 weeks.
- Change to half magnetic field for both our analysis magnets for two shifts.

HBT Physics Analysis:

- Using pion, kaon and proton projectiles, we can study charged kaon radius by 2-pion interference.
- Study by NA22 at CERN is only charged kaon radius this way, and is low statistics.
- MIPP can easily do 100x more data.

