

MIPP

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All Experimenters' Meeting

August 22, 2005

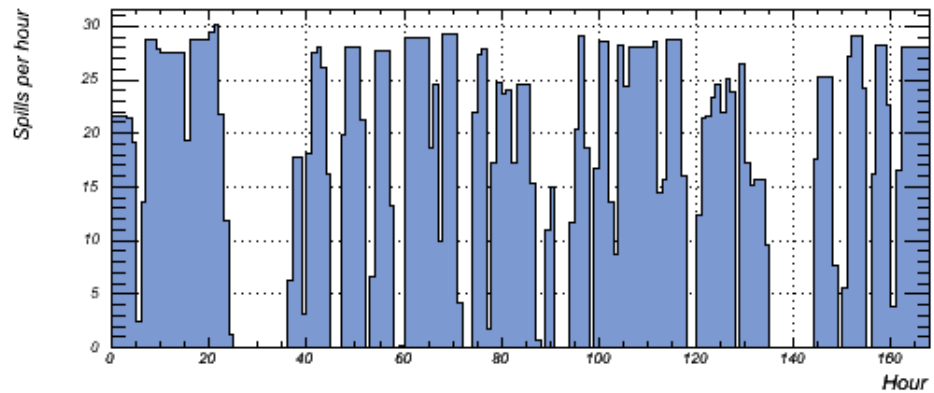
News & Status

- Taking 120 GeV/c proton beam on thin targets:
 - Bi 433 k events
 - Be 407 k events
 - C 250 k events

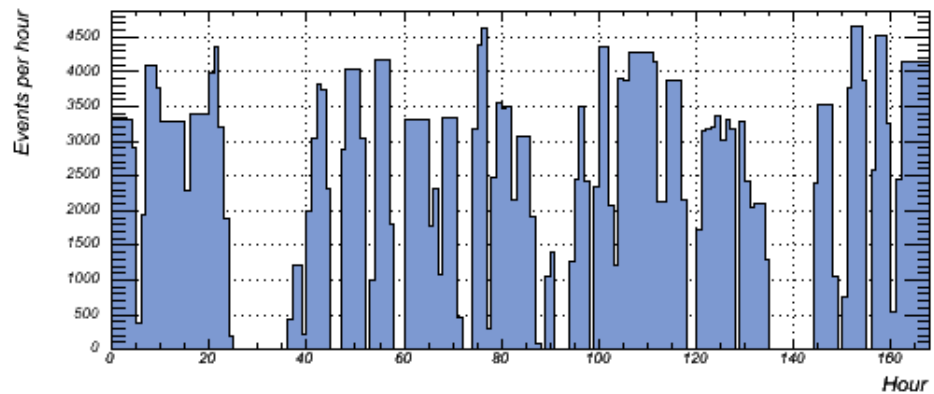
This week we had 388,858 events in 2859 spills.

- Beam rate, quality stable except for occasional fluctuations
 - An unexpected spill of 200,000 particles tripped detectors
- Two major down times in the last week due to Accelerator issues
- No detectors problems in the last week
- No Data Acquisition problems in the last week

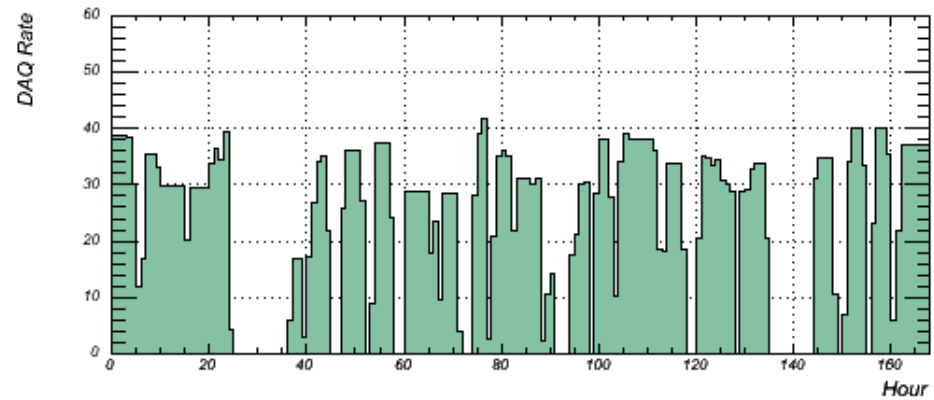
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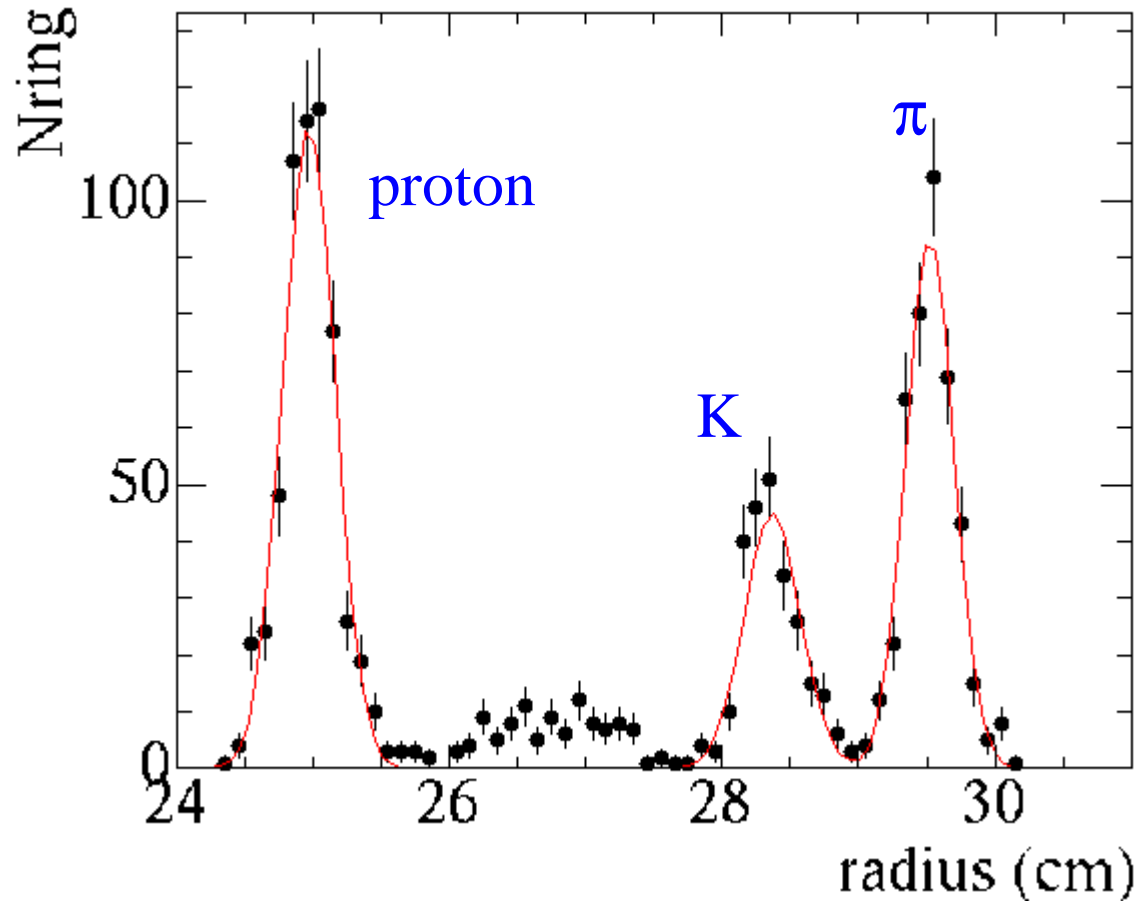


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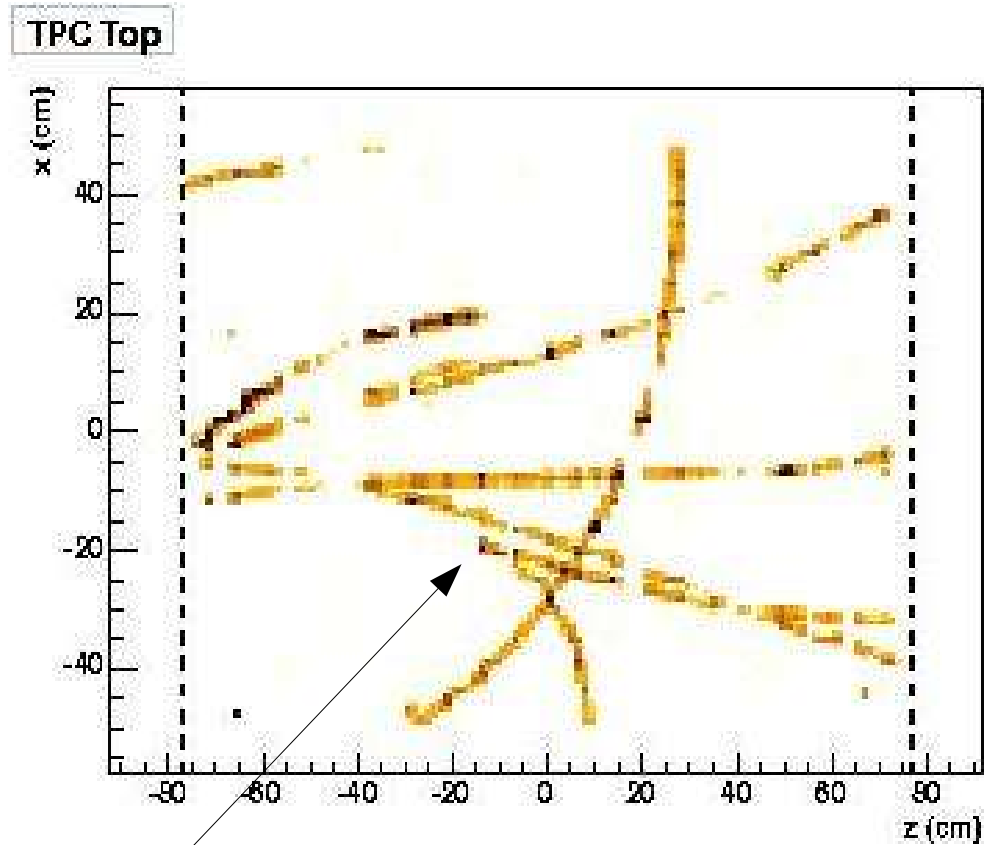
Detector performance plots:

RICH Particle ID



TPC Performance

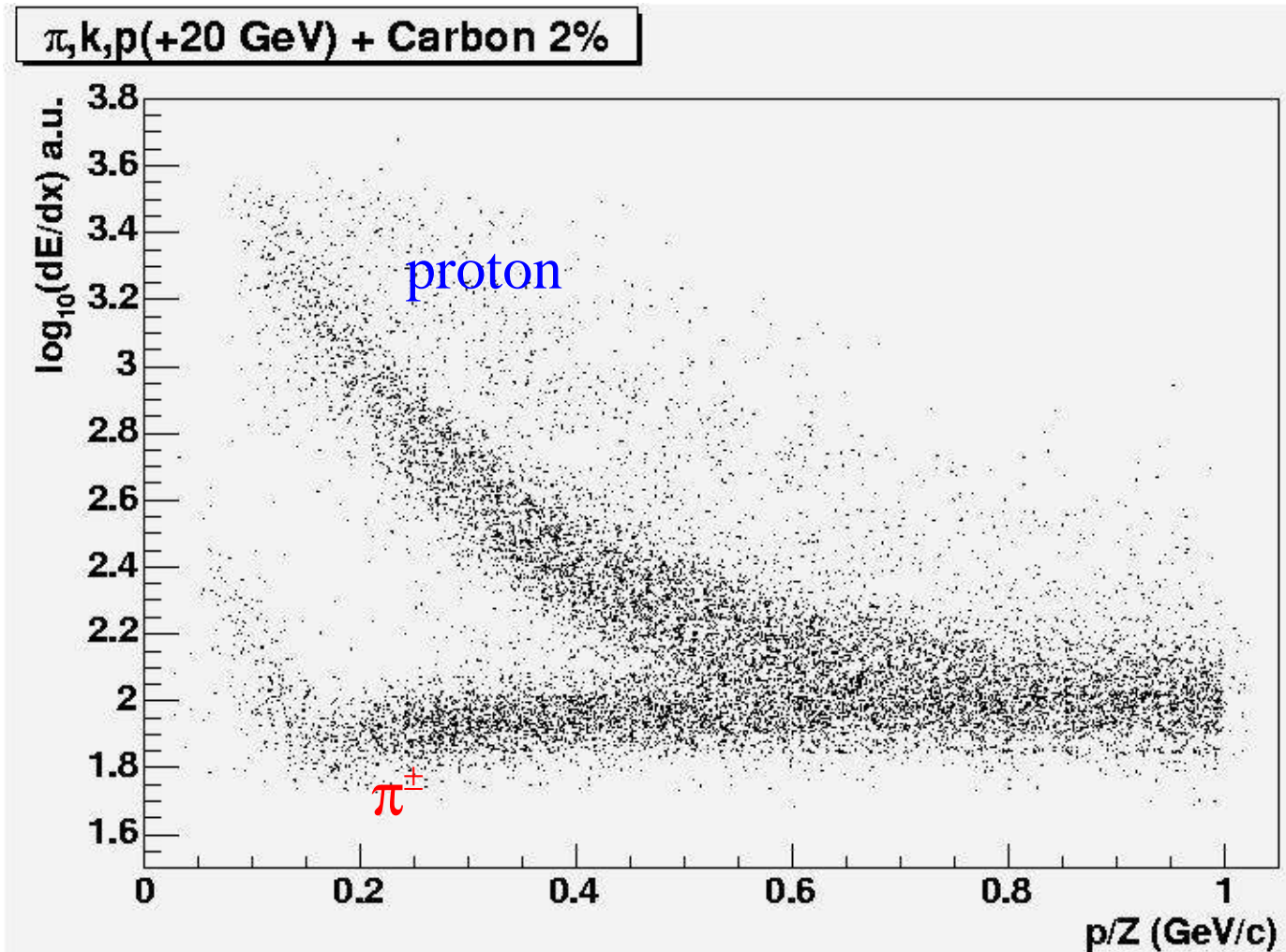
TPC:
tracking,
vertexing, and
dE/dx PID
working well.



Lambda production from interactions with a secondary decay vertex ($\Lambda^0 \rightarrow p^+ \pi^-$) in TPC.

dE/dx particle identification by TPC

Low momentum particles in TPC being identified by ionization energy loss in TPC gas.



Summary

- Continuing with thin-target 120 GeV/c proton data
- Running efficiently; no detector downtime
- Detectors continue to work fine, performance quality plots show expected good quality
- Physics data quality looks good