

MIPP Update

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All Experimenters' Meeting
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Data statistics, Mar 14-21

- Total of 123 hours of running at 59 GeV/c
 - 40546 spills, 2412 empty (6%)
 - 4 hours with positives, the rest with negatives
 - Only 5.6 spills per minute
- Thursday, shifters failed to notice that TPC was not working right
 - Almost 13 hours of garbage data
- 456433 good data triggers with -59 GeV

Data at -59 GeV

- Full cryo target: 282639 triggers
 - 92714 kaon interactions
 - 125337 pion interactions
 - 14647 pbar interactions
- Empty cryo target: 173794 triggers
 - 55995 kaon interactions
 - 74285 pion interactions
 - 8256 pbar interactions

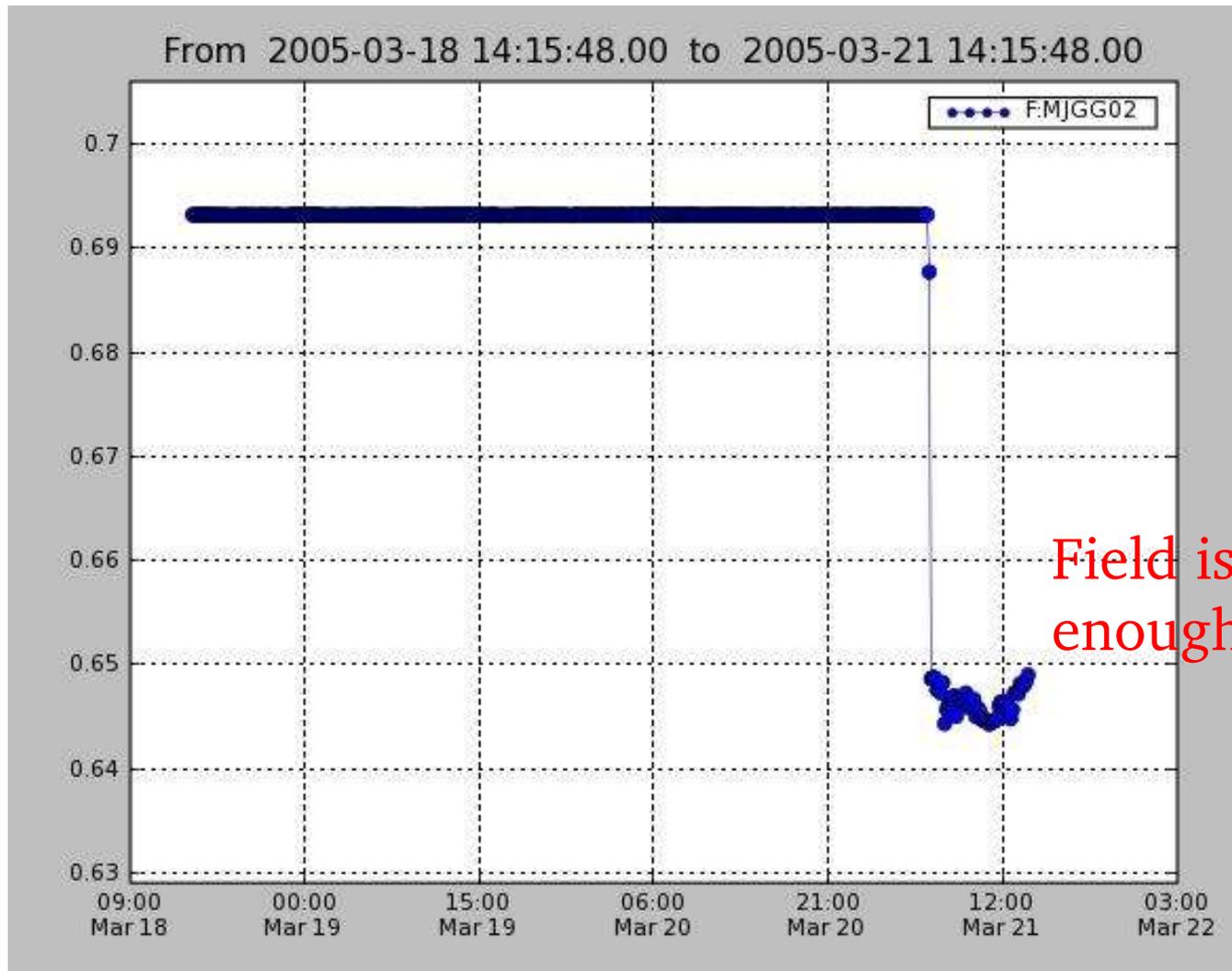
Beam studies

- Took lots of data to study secondary beamline
 - Tune we have been running has lots of scraping after momentum collimator
- We identified ways to reduce scraping and tried a few different quadrupole settings
 - This week we will change our default tune
- Experimental data quality is very sensitive to primary beamline – need to understand this better
 - Different timelines and Tevatron operation may have adverse effects

Hardware Status

- LH2 target has been very stable, emptied and filled multiple times since vacuum leak was fixed
- One of the primary beamline quad supplies disabled beam for ~ 3 hours on Saturday
- Jolly Green Giant developed a coil-coil short in bottom-bottom pancake Sunday night
 - Second fault in the same pancake
 - Will short out some coils, work to be finished tomorrow afternoon if all goes well

JGG Field measured by Hall probe



Summary

- We continue to take LH2 data, will go to 75-80 GeV later this week
- Will take B-field off data for alignment while JGG fault is being worked on
- Secondary beamline is understood much better