

DAQ Status

John Haggerty
Brookhaven National Laboratory

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Multievent Buffer Status--MUTR

- Latest fully tested firmware (0x13f) from Jack was loaded into all 168 MUTR.S and 192 MUTR.N FEM's; 3 failed to program, and we are still in the midst of repairing them and other assorted problems.
- Imran tested this version pretty thoroughly on the test bench, and it seems to behave satisfactorily with test pulses and random triggers and pedestal noise.
- This version has one feature we don't like, which is that the AMU cell numbers "slip" across events, so you can't rely on seeing the same AMU cells used in every FEM. Jack has a pretty good idea what's happening, and he has even made some test versions to fix it.
- Bottom line: Still needs some more attention, but looks likely to be ready in September.

Multievent Buffer Status--EMCAL

- I found some wonky behavior of the new firmware just before Miljko went on vacation, but we haven't debugged it.
- Miljko is coming the week of August 30, and Paul and I will work with him to see if we can finish this off.

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Other DAQ Hardware Projects

- We're trying to get the North Aerogel up and running this week (LV, HV, FEM)
- We're planning quite a bit of machine shuffling before the run, not the least of which are the additional bufferboxes Martin will discuss; logistically, that means hardware disruptions are inevitable

DAQ Software

- Jamie got his fake data generator working, and Sergey has developed hooks in run control to activate it
- Ed has been working on the next (Scientific Linux) release, although there are likely to be enormous changes at the last minute to accommodate a whole 'nother Event Builder

Run 5 Readiness

- We haven't broken too much of the running system yet... but we will soon
- We hope to not break standalone running so subsystem testing is not disrupted
- We want to have a DAQ challenge in the first week of September or so to see if we can run any part of the detector with our shiny new software
- There's still a lot to do...