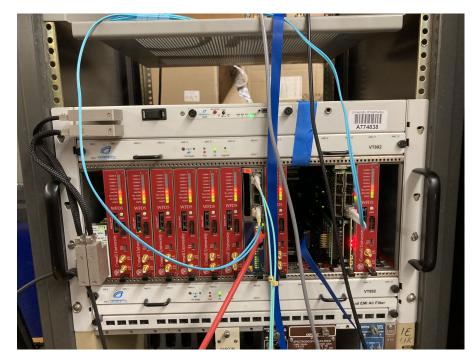
g-2 Modified DAQ Development Progress

- Finished assembling and debugging DAQ hardware
 - Frontend code running and generating data in MIDAS
- Debugging CCC alarm that is shortening our runs alongside rate testing
- Recently received components for second crate



UKY test stand MicroTCA crate

Rate Limitations (in non-async mode)

Meinberg card limits rate to ~3kHz

 Removing the meinberg from the system we can achieve higher rates

 Past ~9kHz we see GPU buffer fill (test beam's main error)



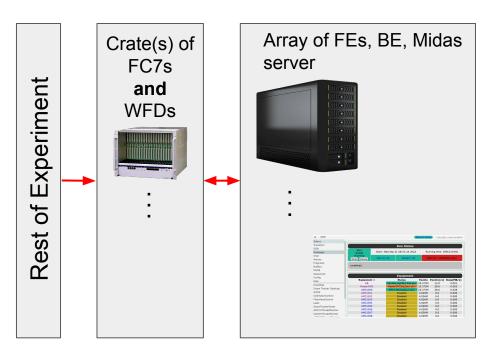
Master frontend caps at 3kHz in "GPS mode"



Master frontend "keeps up" after removing GPS timestamps

g-2 Modified DAQ Development Outline

- Establish communication with all crate modules
- Finish hardware assembly
- Get frontend code and monitoring software running
- Debug (increase) rate capabilities by optimizing frontend code
- Add second crate to teststand



Simplified DAQ Diagram