Magnetic Triggering Status

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Overview

Spent all of my time debugging.

- ▶ Charge injection on external trigger
  - ▶ Turns out, this was not working at all on the module we were using..
  - ▶ Still not sure if it is caused by network speed, damaged bonds, etc.
  - ▶ Could also be a software problem, but I tried many different software configurations and did not find a solution that way.
  - ▶ Advice from Bruce and Peter has helped iterate, but still don't know what is going on
- ▶ Swapping to false blue module
  - ▶ We did this yesterday, and already more tests are running
  - ▶ E.g. burst type of 100 (which was not working on our previous module, even though it does not require external triggering) now functions properly.
  - ▶ Now, going back through the software modifications I tried before to see if we can get the external 3 point gain to work for us.

Goals

It is hard to say precisely with how difficult it has been to get things running, but for next week I hope to:

- ▶ Finally have the External 3PG running
- ▶ Test on the false blue (double layer) module, both at warm and cold