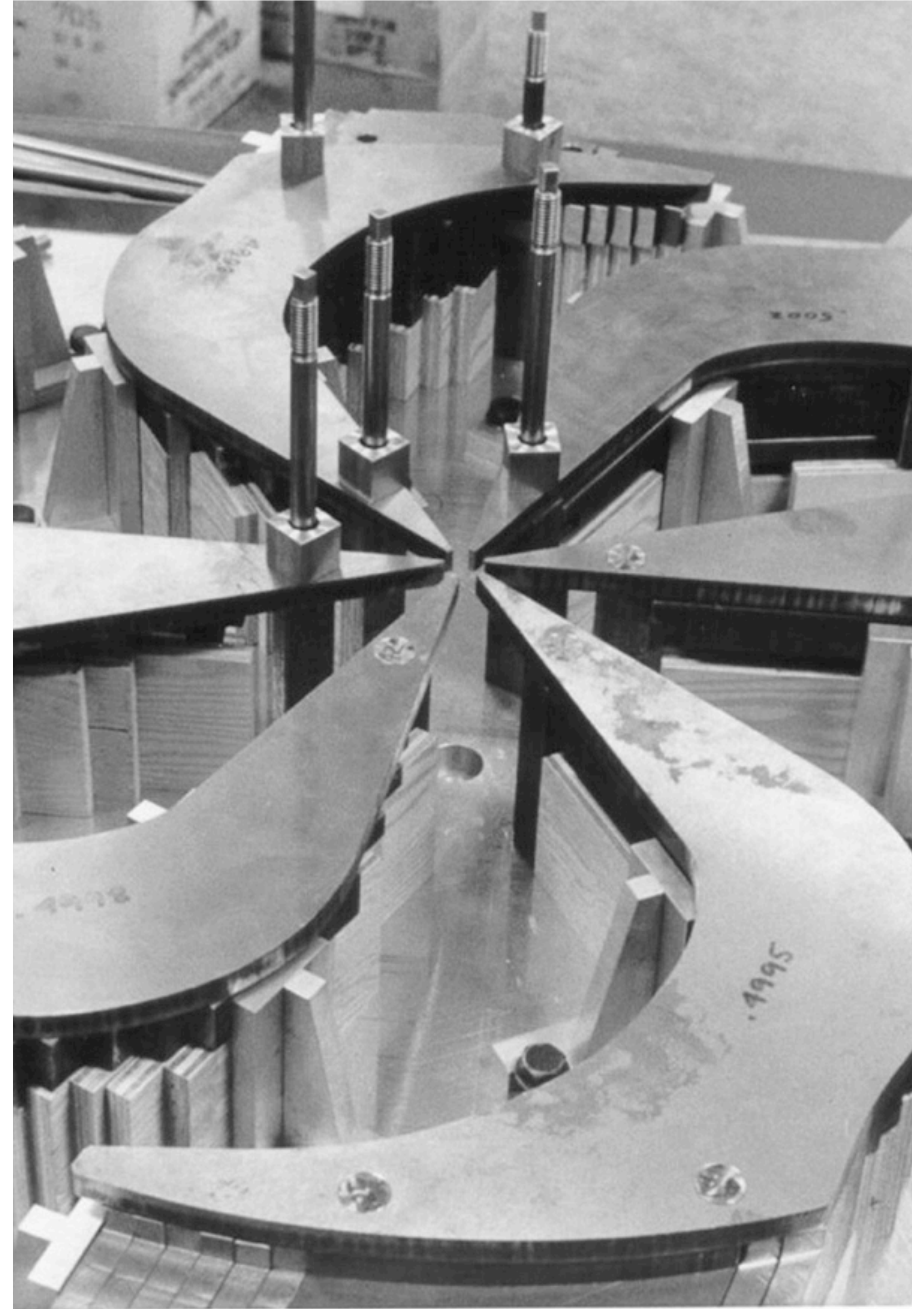


GEMs @ TRIUMF

Laura Miller

DarkLight collaboration meeting @
TRIUMF

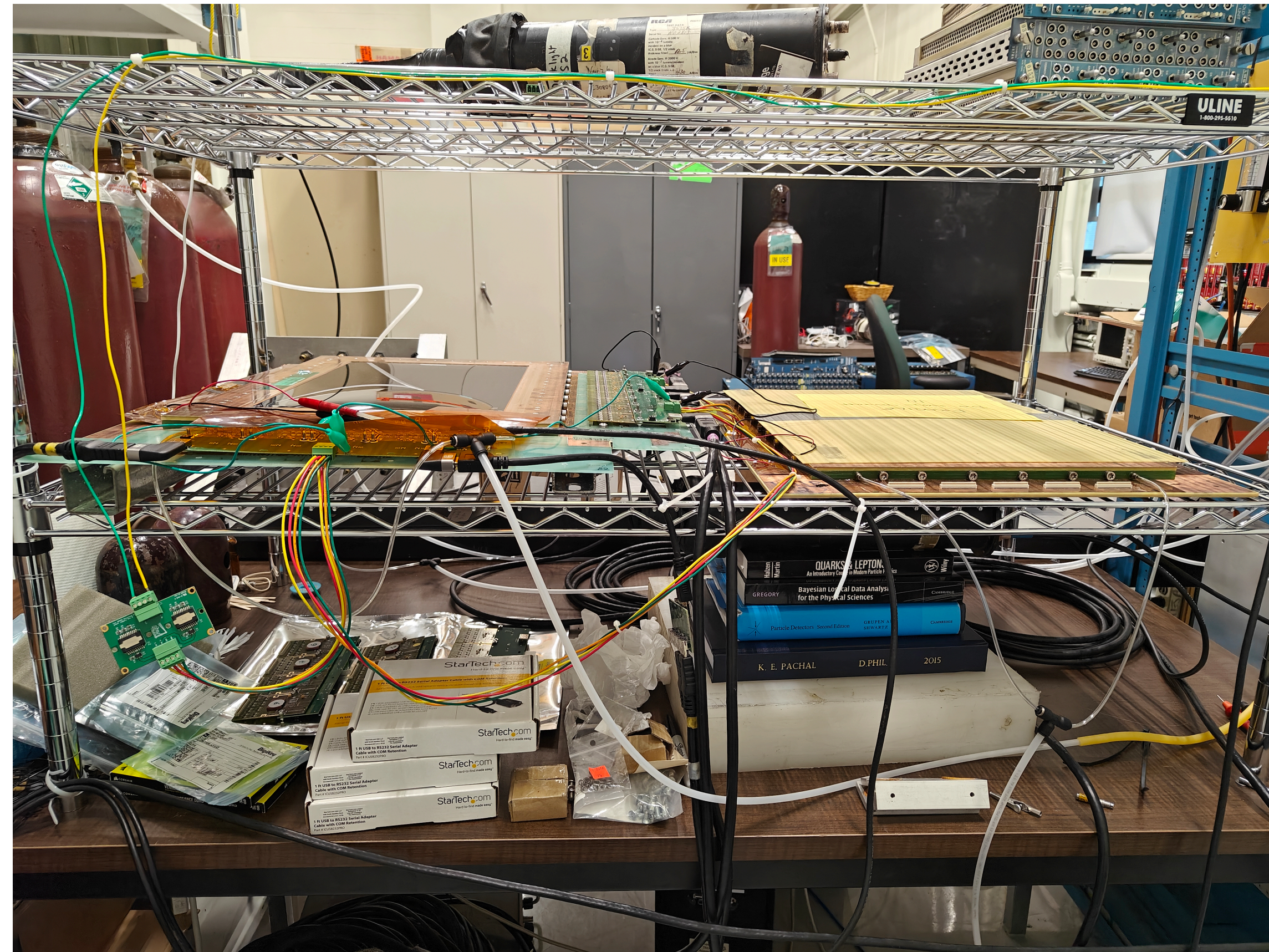
January 15th, 2025



After last collaboration meeting

2

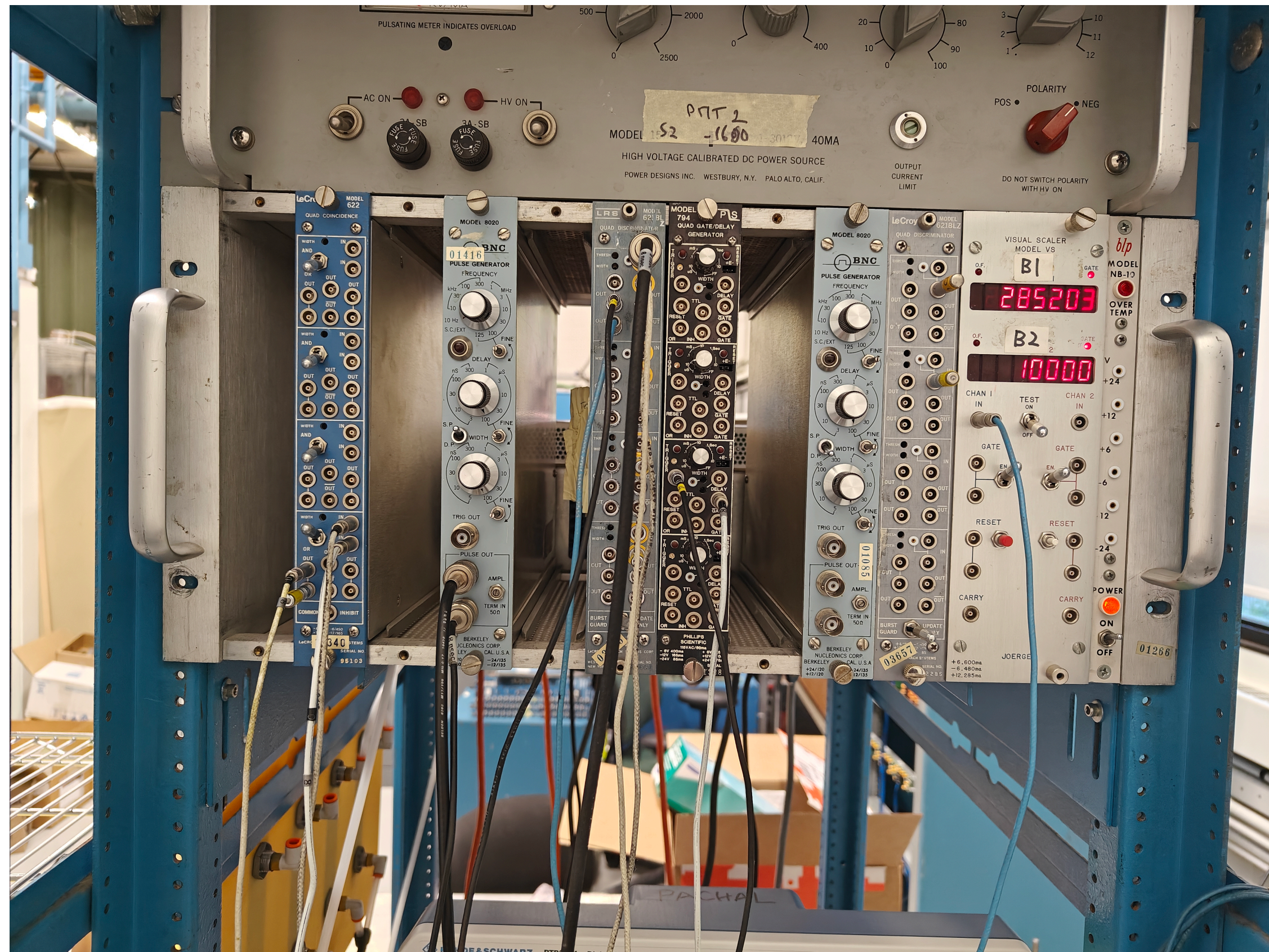
- At last collaboration meeting, setup initial trigger configuration with Ryan
- Triggering setup close to what Hampton has



After last collaboration meeting

3

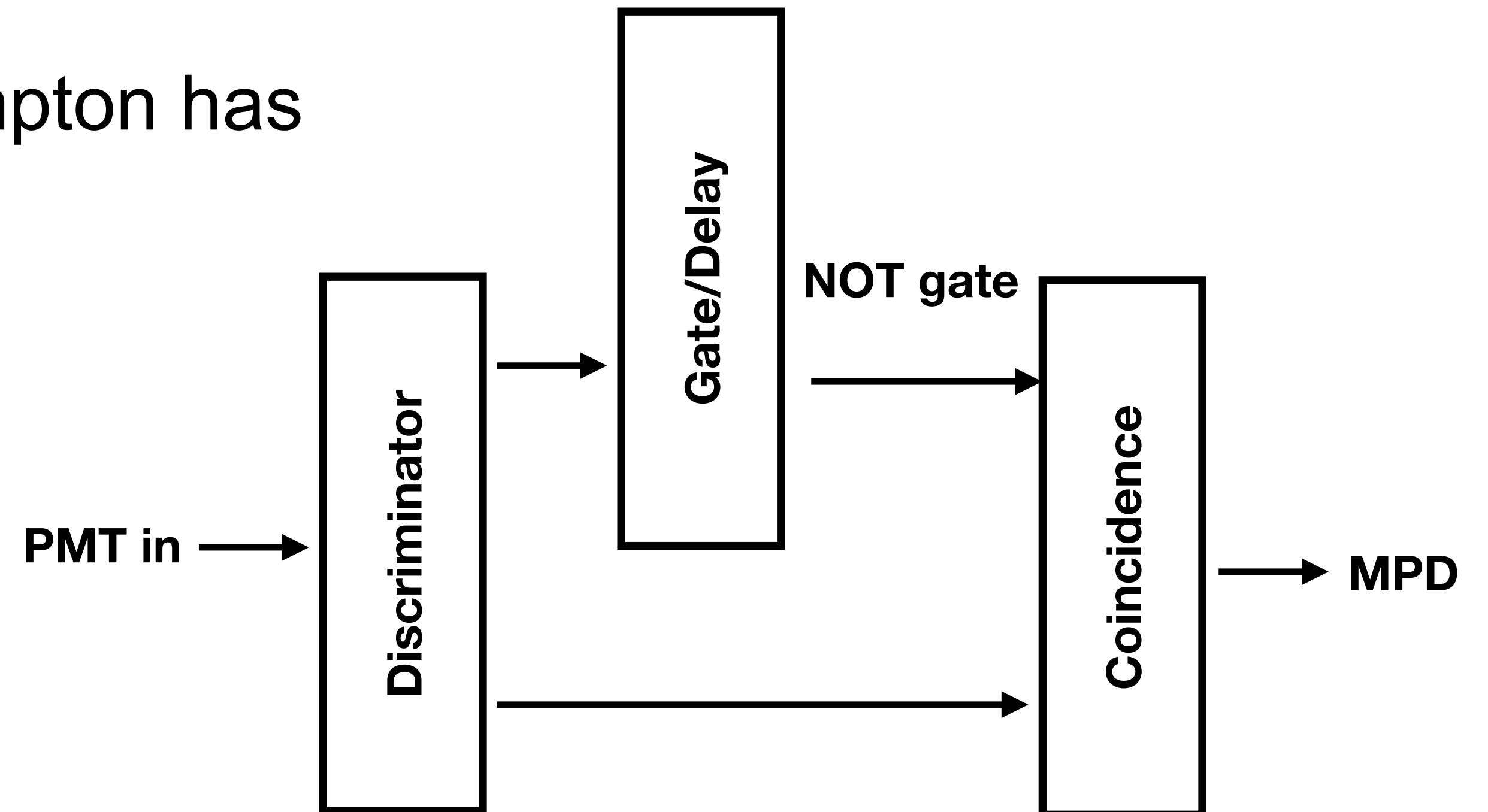
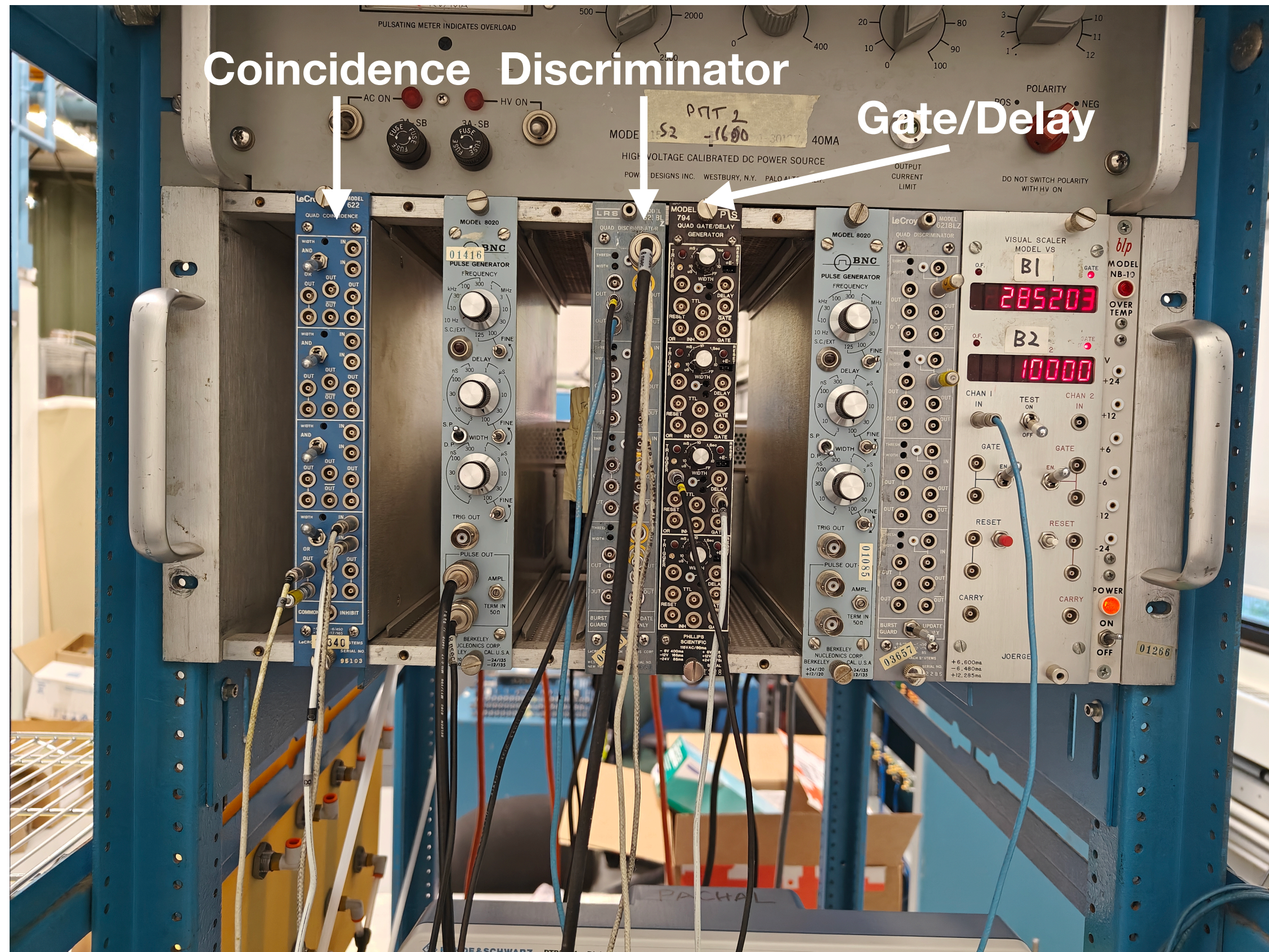
- At last collaboration meeting, setup initial trigger configuration with Ryan
- Triggering setup close to what Hampton has



After last collaboration meeting

4

- At last collaboration meeting, setup initial trigger configuration with Ryan
- Triggering setup close to what Hampton has



Current status

5

- Have been having various issues since last collaboration meeting
- Ethan and I have been trying to do some debugging this week, but are getting a “APV channel mismatch” error that is pretty persistent (that I have also been seeing for the last few months)
 - DAQ more or less gets stuck on that error and does not recover
- Apparent APV pedestal data in output files, but no hits
- Trigger rate seems reasonable, we don't really see any obvious reason why this is happening
- Something with timing? Suggestions welcome.