**Now – May, 2020**

1. Work w/ Caryn for laser setup to evaluate birefringence of vacuum windows
   1. Test 3 sizes (small, med, large) of house-keeper style window w/ 780nm coating
   2. Test in air first, measure birefringence over central area of window (d~1cm?)
   3. Learn something, pick type/size (2-3/4” or 4-1/2”) by ~ mid-March
   4. Pick best window(s), set aside or for additional vacuum stress test
   5. If makes sense existing tunnel window will be available to test/compare in June
2. Work w/ Aaron with laser setup to test driver prototype risetime with RTP tune cell
   1. Test prototype driver w/ RTP + polarizers + photodiode to characterize risetime
   2. Can start w/ func. generator, but migrate to helicity driver signal as possible
   3. Evaluate cable length, driver configuration, answer can driver be in rack X’ away?
   4. Once we agree on prototype driver, build 4 channels for RTP PC, package, EPICS integration; this will take X? weeks
3. Work w/ Caryn and ME to develop mount and built second RTP PC w/ wedged xtals
   1. Any improvements you want compared to the one in tunnel?
   2. Fabricate second mount (machined, printed, ?)
   3. Do we have all components, what else is needed…make a list and order

**Jun – Aug, 2020**

We don’t need to decided today, but pick a path for one of these once above are done…

* Test Aaron’s new driver at CEBAF with existing unwedged RTP cell?
* Test Aaron’s new driver at UITF with existing unwedged RTP cell (i.e. remove from tunnel)?
* Test Aaron’s new driver at UITF with new wedged RTP cell (when ready, maybe sooner?)

**Sep, 2020**

CEBAF needs a polarization cell

For the 2020-2022 period, consider re-installing KDP cell, easier? to manage, or…

Put the RTP cell in, and we manage it (not rely on PQB users)