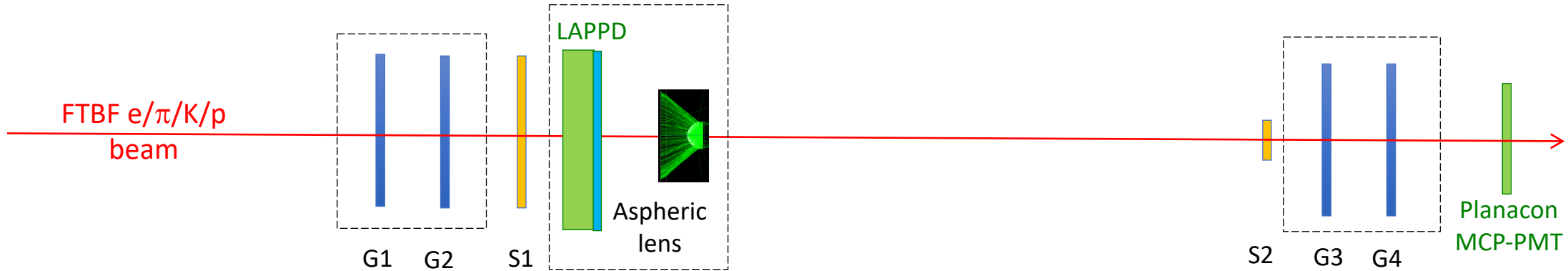
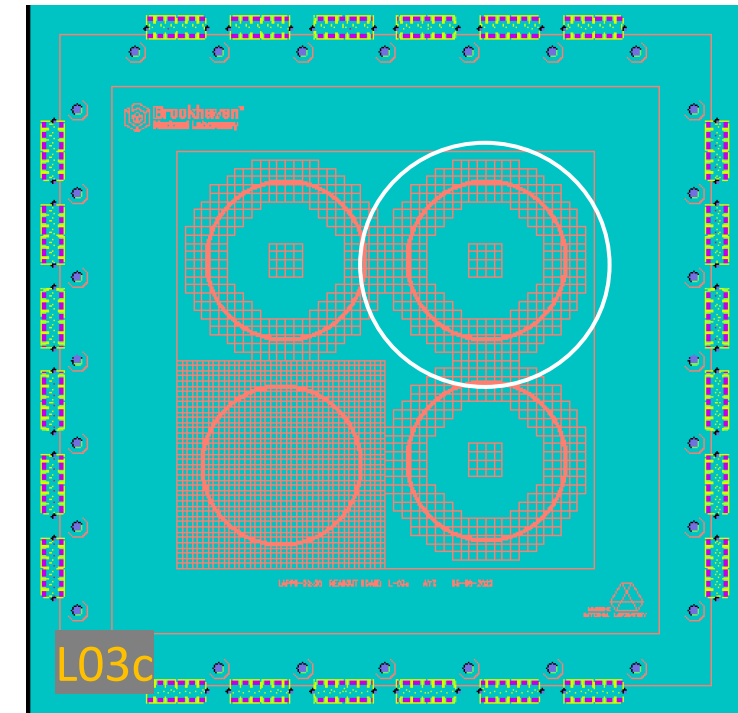


Last night update

Aspheric lens in a “favorable” configuration



- It turned out that the lens in a “direct” configuration produces a long tail in a radial distance distribution, which can only be fixed by screening half of it (that’s why people used to suffer in similar configurations)
- Since LAPPD was not conditioned to take quality timing data (photocathode voltage too low), considered to rotate the setup
- By the time we re-started the Z-scans, linac went down
- CaF_2 radiators were not delivered to Fermilab yesterday



Action items for today

- Decide what to do with the translation stages:
 - (A) use the new USB controllers with a display & operate manually
 - (B) The new PC for the remote steering was set up; however put this activity on hold for now
- Try again to increase the LAPPD high voltage settings (with a focus on the photocathode HV)
- (Multi)clustering code tuned with the aspheric lens data taken the night before; once (if) we observe rings from the aspheric lens, we will be able to evaluate the spatial resolution immediately
- (Junqi): once the CaF_2 radiators arrive, install them on the Planacon(s); this action needs planning
- (Alexander): serial control watchdog is written for the DAQ; will activate at the earliest convenience
- (Sanghwa, Craig): ready for the beam line Cherenkov operation

Need to take high quality imaging data today, no matter what